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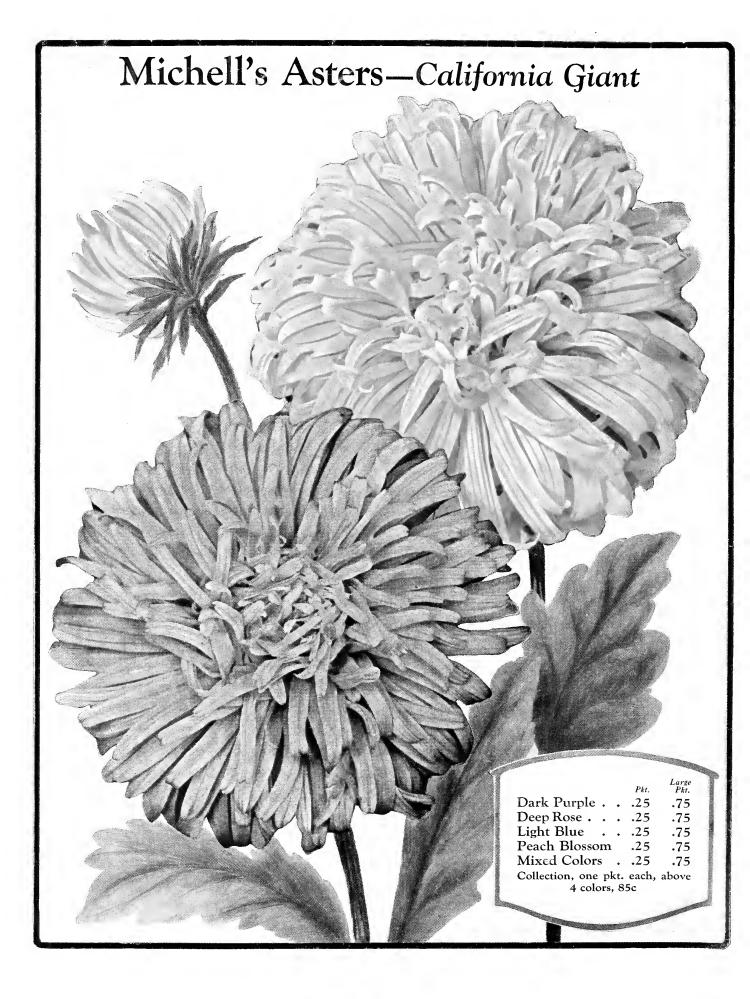
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MICHELL'S SEEDS 1924



HENRY F. MICHELL CO. 518-516 MARKET ST. PHILA., PA.



All contracts, sales and acknowledgments of orders are contingent upon crop failures, partial deliveries by growers or manufacturers, strikes, or other unavoidable causes beyond our control; also unsatisfactory credit standing. All quotations are subject to market changes and goods being unsold on receipt of order. Henry F. Michell Co. give no warranty, expressed or implied, as to the description, purity or productiveness of any seeds, plants or bulbs they send out, and they cannot be in any way responsible for the crop. If the customer does not accept the goods on these terms, they can be returned at once and no sale has been made. No responsible seedsman can give a warranty.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their orders for seeds, plants, bulbs, etc., during January and February. Shipment need not be made until they want the goods.

PLANT ORDERS

Customers desiring to order plants are respectfully asked to acquaint themselves with instructions and suggestions on page 116.

PACKING CHARGES

No charge is made for boxes or packing, except for two-bushel seamless sacks which are charged at market value and as may otherwise be noted; these bags are returnable for credit at the price charged. Any extra charges over actual postage on Parcel Post orders is for extra packing required.

BUSINESS TERMS

We especially invite charge accounts, which is more convenient than to remit for each order at the time it is sent us. When sending your first charge order, please send us the names and addresses of two or more business houses with whom you have had past or present credit relations; this saves considerable time in the execution of your first charge order.

As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency, or any bank or trust company in

the United States.

REGARDS C. O. D. SHIPMENT
Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold storage bulbs; these cannot be sent C. O. D.). No. C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders where the amount is less than \$1.00. During April and May, owing to the heavy volume of business transacted, we are not in a position to accept orders for shipment C. O. D. unless a partial payment has been made on account to assure acceptance at time of delivery.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment. Please read instructions on page 83 regarding the sending of Vegetable Plants by Parcels Post.

> **FORWARDING** SERVICE

We deliver, postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, and pounds, except where otherwise noted in the Catalogue. If these are wanted by parcel post please remit for postage the amount named in connection with the item or at the rates quoted in table opposite. Agricultural Seeds, Implements, Fertilizers, and other heavy and bulky goods are sent by Express or Freight at purchaser's expense.

Plant orders should be separated from Seed orders, as they will usually be filled and shipped separately.

All Plants, Roots and Bulbs are forwarded by Express (or parcel post when possible) purchaser paying charges, unless otherwise noted.

For those of our customers who prefer to receive such goods by Parcel Post, we will be pleased to forward in this manner such plants as can be sent in this way at the following additional cost, which must be added to the value of each order for Plants, Roots or Bulbs unless otherwise noted.

To all points east of the Mississippi River, 10 per cent. extra to cover postage and packing charges.

To all points west of the Mississippi River, 20 per cent.

Poisons cannot be sent by Parcel Post; please consult parcel post table below, for rates on other merchandise.

SAFE ARRIVAL—We guarantee the safe arrival of all goods sent to points within the United States except when shipped to points where there is no express or freight agent, to such points the purchaser must assume any claim for loss or damage.

LOCAL DELIVERY.—Our automobile services covers most of Philadelphia, free delivery being confined to the following

districts bounded as follows:

East. Delaware Ave., in central downtown.
East. Fox Chase, Lawndale, Kensington, Frankford, uptown.
North. City Line in the Old York Road district.
North. City Line in the Germantown and Chestnut Hill district. Northwest. Bala, Cynwyd, Wynnefield and Overbrook (Latch's Lane).

West. 69th Street.

South. League Island from Front to 69th St.

Ridge Ave. District. Falls of Schuylkill, Roxborough, Manayunk. Also note that we do not guarantee to maintain a daily delivery to these points.

Please note the free delivery service does not include bulky quantities of fertilizers in over ½ ton quantities. Special arrangements can however be made for delivery of these.

Shipment of goods can also be made by package service from Market and Chestnut St. Ferries, Broad St. Station, Reading Terminal and B. & O. R. R., at 24th and Chestnut Sts.

The tariff for shipments that can be made by this method on merchandise they will receive packed in one piece is as follows: 10 lbs. and under, 12c. 25 lbs. to 40 lbs., 24c. 10 lbs. to 25 lbs., 18c. 40 lbs. to 55 lbs., 30c.

Shipments weighing more cannot be sent via Package Service, nor can bulky goods or shipments that are odorous or that otherwise affect other merchandise handled by this service be accepted.

Positions for Gardeners, Estate Superintendents, etc. Frequently we have on our register the names of competent Gardeners, Superintendents, Greenskeepers, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men. We are careful to recommend only reliable persons, and there is absolutely no charge for this service to employer or the one employed. Frederick J. Michell, Jr., is in charge of this department.

PARCEL POST RATES FROM PHILADELPHIA

United States Parcel Post Rates (Seeds, plants and bulbs included)	First pound or fraction	Each additional pound or fraction	Packages must not exceed 84 inches (length and girth combined)
Local Rate, Philadelphia.	\$0.05	\$0.0016	Limit of weight this zone, 70 lbs.
1st Zone, within 50 miles of Philadelphia	.05	.01	Limit of weight this zone, 70 lbs.
2d Zone, over 50 and under 150 miles	.05	.01	Limit of weight this zone, 70 lbs.
3d Zone, over 150 and under 300 miles	.06	.02	Limit of weight this zone, 50 lbs.
4th Zone, over 300 and under 600 miles		.04	Limit of weight this zone, 50 lbs.
5th Zone, over 600 and under 1000 miles	.08		Limit of weight this zone, 50 lbs.
6th Zone, over 1000 and under 1400 miles	.09		Limit of weight this zone, 50 lbs.
7th Zone, over 1400 and under 1800 miles	. 11	. 10	Limit of weight this zone, 50 lbs.
8th Zone, over 1800 miles	. 12	. 12	Limit of weight this zone, 50 lbs.

All small Parcel Post packages, weighing 8 ounces or less can be sent at the special rate of 1 cent for each 2 ounces or fraction to all parts of the United States. (Over 8 ounces must be sent at Parcel Post rates.) On shipments weighing 20 lbs. or more it is usually cheaper to ship by express.

Kindly Remit for Postage when it is necessary to avoid delay in filling and shipping your order.

HENRY F. MICHELL PRESIDENT

FRED'K J. MICHELL VICE-PRESIDENT

HENRY F. MICHELL CO

SEEDS BULBS, PLANTS, GARDEN SUPPLIES, FERTILIZERS, INSECT DESTROYERS, POULTRY SUPPLIES, ETC.

WAREHOUSES { 509-11-13 LUDLOW ST. AMERICAN AND DAUPHIN STS.

518-516 MARKET ST., PHILA.

BELL AND KEYSTONE TELEPHONES

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Abyssinian Banana—Musa Ensete.
Achillea—Milfoil, Sneezewort.
Aconitum—Helmet Flower, Monk's
Hood, Wolf's Bane.
Acroclinium—Everlastings.
Adam's Needle—Yucca.
Adiantum—Maiden Hoir Fern.
Adlumia—Allegheny Vine, Mountain
Fringe. Fringe. Fringe.
Adonis aestivalis—Pheasant's Eye.
African Daisy—Arctotis.
African Lily—Agapanthus.
Agapanthus—African Lily.
Ageratum—Floss Flower. Agenatum—Floss Flower.
Agrostemma—Rose Campion.
Allegheny Vine—Adlumia.
Aloysia citriodora—Lemon Verbena.
Althaea rosea—Hollyhock.
Althaea—Rose of Sharon.
Alum Root—Heuchera.
Alyssum saxatile—Basket of Gold.
Amaranthus caudatus—Love Lies Bleeding.
Amaranthus tricolor—Joseph's Coat.
Amaryllis formosissima-Jacobaean Lily.
Ametbyst—Browallia.
Ampelopsis—Virginia Creeper.
Ampelopsis Veitchii—Boston Ivy.
Anchusa—Sea Bugloss.
Anemone—Windflower.
Anthoricum—St Berno's Lily. Anemone—Windflower.
Anthericum—St. Bruno's Lily.
Antirrhinum—Snapdragon.
Aquilegia—Columbine.
Arabis—Rook Cress.
Arctotis—African Daisy.
Aristolochia—Dutchman's Pipe.
Armeria—Sea Pink, Thrift.
Artemesia absynthium—Wormwood.
Asclepias—Butterfly Weed.
Asparagus Fern—Asparagus plumosus.
Asperula—Woodruff.

Asparagus Ferii—Asparagus premasa.
Asparula—Woodruff.

Baby's Breath—Gypsophila.
Baby Primrose—Primula Malacoides.
Bachelor's Button—Centaurea, Gomphrena, Bellis.
Balloon Vine—Cardiospermum.
Balsam—Lady Slipper.
Balsam Apple—Momordica.
Baptisia—False Indigo.
Barberry—Berberis.
Basket of Gold—Alyssum saxatile.
Beard Tongue—Pentstemon.
Bee Balm—Monarda.
Bell Fower—Campanula.
Bellifower Lily—Lilium canadense.
Bellis—Bachelor's Button, English Daisy.
Berberis—Barberry.
Bergamot—Monarda.
Bignonia—Trumpet Vine.
Black Eyed Susan—Thunbergia.
Blanket Flower—Gaillardia.
Blazing Star—Liatris.
Bleeding Heart—Diclytra.
Blue Bottle—Centaurea cyanus.
Bocconia—Plume poppy.
Boltonia—False Chamomile.
Boston Ivy—Ampelopsis Veitchii.
Boxwood—Buxus.
Brachycome—Swan River Daisy.
Bridal Wreath—Spiraea prunifolia.
Briza—Quaking Grass.
Browallia—Amethyst.
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Bush Eschscholtzia—Hunnemannia.
Buttercup—Trollius.
Butterfly Bush—Buddleya.
Butterfly Flower—Schizanthus.
Butterfly Flower—Schizanthus.
Butterfly Weed—Asclepias.
Buttonwood—Platanus orientalis.
Buxus—Boxwood.

Cacalia—Tassel Flower. Cacalia—Tassel Flower.
Caladium—Elephant's Ear.
Calendula—Pot Marigold.
California Poppy—Eschscholtzia.
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Calycanthus—Sweet Shrub.
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Campion—Lychnis.
Canarybird Flower—Tropaeolum-Canariense. riense.
Candytuft—Iberis.
Canna—Indian Shot.
Canterbury Bells—Campanula.
Cape Jessamine—Gardenia florida.
Cardinal Flower—Lobelia Cardinalis.
Caston Oil Beans—Ricinus.
Catchfly—Silene.
Catalpa—Umbrella Tree.
Centaurea cyanus—Bachelor's Button,
Cornflower, Blue Bottle, Bluets, Ragged
Sailor. Cornflower, Blue Bottle, Bluets, Rug Sailor.
Centaurea moschata—Sweet Sultan. Celosia cristata—Cockscomb.
Cerastium—Snow in the Summer. Cercis—Judas Tree.
Chinese Bell Flower—Platycodon.
Chinese Lantern Plant—Physalis.

Christmas Rose—Helleborus Niger.
Cbrysanthemum frutescens—Marguerile, Paris Daisy.
Cigar Plant—Cuphea platycentra.
Clove Pinks—Dianthus plumarius.
Cockscomb—Celosia cristata.
Coix—Job's Tears.
Columbine—Acuitaia Coix—Job's Tears.
Columbine—Aquilegia.
Coneflower—Rudbeckia.
Convolvulus—Morning Glory.
Coral Lily—Lilium tenuifolium.
Cornflower Aster—Stokesia.
Cornolower—Centaurea cyanus.
Cornus florida—Dogwood.
Cowslip—Primula veris.
Crane's Bill—Geranium.
Crataegus—Hawthorn.
Cup and Saucer—Campanula calyc.
Cuphea platycentra—Cigar Plant.
Cycas—Sago Palm.
Cyperus—Umbrella Plant.
Cyperus—Umbrella Plant.
Cyperus—Umbrella Plant.
Cyperus—Golden Chain.

Daisy—Bellis Perennis.
Datura cornucopia—Horn of Plenty.
Datura—Trumpet Flower.
Day Lily—Funkia, Hemerocallis.
Delphinium—Larkspur.
Dianthus barbatus—Sweet William.
Dianthus—Pinks.
Dielytra—Bleeding Heart.
Dictamnus—Gas Plant.
Digitalis—Fozglove.
Dimorphotheca—Orange Daisy.
Dogwood—Cornus florida.
Dolichos—Hyacinth Bcan.
Doronicum—Leopard's Bane.
Dusty Miller—Cineraria Maritima.
Dutchman's Pipe—Aristolochia.

Echinops—Globe Thistle.
Echinocystis—Wild Cucumber.
Edelweiss—Leontopodium.
Egyptian Lotus—Nelumbium.
Elgphant's Ear—Caladium.
English Daisy—Bellis.
English Primrose—Primula vulgaris.
Erianthus—Plume Grass.
Eryngium—Sea Holly.
Eulalia—Zebra Grass.
Euphorbia—Mexican Fire Plant.
Evening Primrose—Oenothera.
Evening Primrose—Oenothera.
Everlastings—Acroclinium, Gomphrena,
Helichrysum, Rhodanthe, Xeranthemum. mum.
Everlasting Pea—Lathyrus latifolius.
Exochorda grandiflora—Pearl Bush.

Fairy Lily—Zephyranthes. False Chamomile—Boltonia. False Indigo—Baptisia. Feather Grass—Stipa. Feveriew—Matricaria. Flax—Linum.
Fleur de lis—Iris germanica. Fleur de lis—Iris germanica.
Floss Flower—Ageratum.
Flowering Maple—Abutilon.
Flowering Tobacco—Nicotiana.
Forget-me-not—Myosotis.
Forsythia—Golden Bell.
Fountain Grass—Pennisetum.
Four o'Clocks—Mirabilis.
Foxglove—Digitalis.
Foxglove—Digitalis.
Fuchsia—Lady's Ear Drop.
Funkia—Day Lily.

Gaillardia-Blanket Flower. Gardener's Garters—Phalaris,
Garden Heliotrope—Valeriana.
Gardenia florida—Cape Jessamine. Garden Hellotrope—Valeriana.
Gardenia florida—Cape Jessamine.
Gay Feather—Liatris.
Gas Plant—Diclamnus.
Gentian—Gentiana.
Gentiana.
Gentiana.
Gentiana.
Gentiana.
Gentiana.
Gentiana.
Globe Flower—Trollius.
Globe Flower—Trollius.
Globe Thistle—Echinops.
Gold Dust—Alyssum saxatile.
Golden Bell—Forsythia.
Golden Chain—Cylisus.
Golden Chain—Cylisus.
Golden Feather—Pyrethrum aureum.
Golden Rod—Solidago.
Gomphrena—Everlastings, Globe Amarath, Bachelor's Button.
Grass Pinks—Dianthus plumarius.
Gynerium—Pampas Grass.
Gypsophila—Baby's Breath.

Hare Bell—Campanula carpatica Hawtborn—Crataegus. Heart's Ease—Pansy. Helenium—Sneezewort. Helianthemum—Rock Rose. Helianthus—Sunflower. Helichrysum—Strawflower. Helleborus niger—Christmas Rose. Helmet Flower—Aconitum. Hemorocallis—Day Lily. Hesperis—Sweet Rocket, Rocket. Heuchera—Alum Root. Hollyhocks—Athaea rosea.

Honesty—Lunaria. Hops—Humulus. Hordeum—Squirrel Tail Grass. Horn of Plenty—Datura cornucopia. Hunnemannia—Bush Eschscholtzia. Hyacinth Bean-Dolichos.

Ice Plant—Mesembryanthe num. Indian Shot—Canna. Ipomea noctiflora—Moonflower. Ipomea Quamoclit—Cypress Vine.

Jacobaean Lily—Amaryllis formos.
Jacobaea—Senecio.
Japan Pinks—Dianthus Heddewigii.
Jerusalem Cherry—Solanum capsicastrum.
Job's Tears—Coix.
Judas Tree—Cercis.
Joseph's Coat—Amaranthus tricolor.

Kalmia latifolia—Mountain Laurel. Kenilworth Ivy—Linaria cymbalaria. Kochia—Mexican Fire Bush, Summer Cypress.

Kudzu Vine—Pueraria.

Lady's Ear Drop—Fuchsia. Lady's Slipper—Balsam. Larkspur—Delphinium. Lathyrus latifolius—Everlasting Pea. Lathyrus latifolius—Everlasting Pea.
Leadwort—Plumbago.
Lemon Verbena—Aloysia citriodora.
Leontopodium—Edelweiss.
Leopard's Bane—Doronicum.
Liatris—Gay Feather.
Lilac—Syringa.
Lily of the Valley—Convallaria.
Lobelia cardinalis—Cardinal Flower.
Loose Strife—Lythrum.
Love Grove—Nemophila.
Love in a Mist—Nigella.
Love Lies Bleeding—Amaranthus caudatus. datus. aaus.
Linaria cymbalaria—Kenilworth Ivy.
Luffa—Cucumis acutangulus.
Lunaria—Honesty, Moonwort.
Lychnis—Ragged Robin.
Lythrum—Loose Strife.

Maiden Hair Fern—Adiantum,
Mallow—Hibiscus,
Marguerite—Chrysanthemum frutescens.
Marshadlod—Tagetes.
Marshmallow—Hibiscus.
Marvel of Peru—Mirabilis.
Matbiola—Night Scented Stock.
Matricaria—Feverfew.
Meadow Rue—Thalictrum.
Mesembryanthemum—Ice Plant.
Mexican Fire Bush—Kochia.
Mexican Fire Plant—Euphorbia.
Michaelmas Daisy—Aster perennis.
Mignonette—Reseda.
Mimosa—Sensitive Plant.
Mirabilis—Four o'Clocks, Marvel of Peru.

Disindelmus.

Nelumbium—Egyptian Lotus. Nemophila—Love Grove. Nicotiana—Flowering Tobacco.* Nigella—Love in a Mist. Night Scented Stock—Mathiola.

Oenothera—Evening Primrose. Orange Daisy—Dimorphotheca. Ox-Eye—Adonis vernalis.

On-Eye—Adonis vernalis.

Painted Tongue—Salpiglossis.
Pampas Grass—Gynerium.
Pancratium Lily—Ismene calathina.
Paris Dasiy—Chrysanthemum frutescens.
Passiflora—Passion Flower.
Peach Bells—Campanula persicifolia.
Pearl Bush—Exochorda grandiflora.
Periwinkle—Vinca.
Palaris—Gardener's Garters.
Pbalaris—Ribbon Grass.
Phalaris—Ribbon Grass.
Pheasant's Eye—Adonis aestivalis.
Philadelphus—Mock Orange.
Phlox subulata—Moss Pink.
Pincusbion Flower—Scabiosa.
Pinks—Dianthus.
Platanus orientalis—Buttonwood.
Platycodon—Chinese Bell Flower.
Plumbago—Leadwort.
Plume Grass—Erianthus.
Plume Poppy—Bocconia.
Polyanthus—Primula elatior.

Poppy Mallow-Callirhoe. Poppy—Papaver.
Pot Marigold—Calendula.
Pueraria—Kudzu Vine.
Pyrethrum aureum—Golden Feather.

Quaking Grass-Briza.

Quaking Grass—Briza.

Rag Gourd—Cucumis acutangulus.
Ragged Robin—Lychnis.
Ragged Sailor—Centaurea cyanus.
Red Bud—Cercis canadensis.
Red Hot Poker Plant—Tritoma.
Reed—Arundo donax.
Reseda—Mignonette.
Rhodanthe—Everlastings.
Ribbon Grass—Phalaris.
Rock Cress—Arabis.
Rock Cress—Arabis.
Rock Cress—Arabis.
Rock Rose—Heibanthemum.
Rose Campion—Agrostemma.
Rose of Sharon—Althaea.
Rose Palm Cress

Rudbecka—Cone Flower.

Sago Palm—Cycas.
Salpiglossis—Painted Tongue.
Saponaria—Soapwort.
Satin Flower—Godetia.
Scabiosa—Mourning Bride.
Scabiosa—Pincushion Flower.
Scarlet Sage—Salvia splendens.
Schizanthus—Butterfly Flower.
Sea Bugloss—Anchusa.
Sea Lavender—Statice.
Sea Holly—Eryngium.
Sea Pink—Armeria.
Sedum—Stonecrop.
Sendum—Stonecrop.
Sensitive Plant—Mimosa.
Silene—Catchfly. Silene—Catchfy.

Silk Oak—Grevillea.

Snapdragon—Antirrhinum.

Sneezewort—Helenium.

"—Achillea "—Achillea. Snowball—Viburnum.

Snowbari—Viournum.
Snowberry—Symphoricarpus.
Snow in the Summer—Cerastium.
Snow on the Mountain—Euphorbia.
Soapwort—Saponaria.
Solanum capsicastrum — Jerusalem

Snow on the Mountain—Euphorbia
Soapwort—Saponaria.
Solanum capsicastrum — Jerusc
Cherry.
Solidago—Golden Rod.
Speedwell—Veronica.
Spider Plant—Cleome.
Squirrel Tail Grass—Hordeum.
Statice—Sea Lavender.
St. John's Wort—Hypericum.
St. John's Wort—Hypericum.
Stonecrop—Sedum.
Stonecrop—Sedum.
Stookesia—Cornflower Aster.
Strawflower—Helichrysum.
Summer Cypress—Kochia.
Sunflower—Helichnihus.
Swan River Daisy—Brachycome.
Sweet Rocket—Hesperis.
Sweet Shub—Calycanthus.
Sweet Rocket—Hesperis.
Sweet Shub—Calycanthus.
Sweet Nub—Calycanthus.
Sweet Nub—Calycanthus.
Sweet William—Dianthus barbatus.
Symphoricarpus—Snowberry.
Syringa—Lilac.
Tagetes—Marigold.

Tagetes—Marigold.
Tassel Flower—Cacalia.
Thrift—Armeria.
Thunbergia—Black Eyed Susan.
Trebacco—Nicotiana.
Trillium—Wake Robin, Wood Lily.
Tritoma—Red Hot Poker.
Trollius—Buttercup.
Trumpet Flower—Datura.
Trumpet Vine—Bigmonia.
Tufted Pansies—Viola cornuta.
Turk's Cap Lily—Lilium superbum

Umbrella Plant—Cyperus. Umbrella Tree—Catalpa.

Valeriana—Garden Heliotrope,
Viburnum—Snowball,
Vinca minor—Myrtle,
Vinca—Periwinkle,
Viola cornuta—Tufted Pansies,
Virgin's Bower—Clematis,
Virginia Creeper — Ampelopsis quinquefolia,

Wallflower—Cheiranthus.
Wild Cucumber—Echinocystis.
Windflower—Anemone.
Wolf's Bane—Aconitum.
Wood Lily—Trillium.
Wood Fern—Aspidium.
Woodruff—Asperula.
Wormwood—Artemisia absynthium.

Xeranthemum-Everlastings.

Yarrow—Achillea. Youtb and Old Age—Zi Yucca—Adam's Needle. Zinnia.

Zebra Grass-Eulalia. Zephyranthes-Fairy Lily.

FLOWERS AND PLANTS

FOR DIFFERENT PURPOSES AND SITUATIONS, WHICH CAN BE GROWN FROM SEED

FLOWERING ANNUALS

Including some perennials which flower the first season from seed. Those marked * are the best for massing in beds and borders.



HULLYHOCK

Acroclinium *Ageratum *Alyssum

Amaranthus *Antirrhinum *Arctotis *Aster

Balsam Begonia Brachycome *Calendula *Calliopsis *Candytuft

*Celosia *Centaurea

Chinese Wool Flower *Chrysanthemum

Cineraria *Clarkia Convolvulus *Coreopsis *Cornflower

*Cosmos Dahlia Daisy *Dianthus *Dimorphotheca *Eschscholtzia

Feverfew *Gaillardia *Godetia Gomphrena Gypsophila Helianthus Helichrysum

*Hunnemannia Kenilworth Ivy *Larkspur Lavatera *Linum

Lobelia *Lupinus *Marigold Marvel of Peru

Mesembryanthemum

Mimulus Myosotis *Nasturtium Nemesia Nemophila Nicotiana *Nigella *Pansy *Petunia *Phlox Pinks *Poppy

Mignonette

Portulaca Primula Malacoides

Rhodanthe *Salpiglossis *Salvia Scabiosa Schizanthus Sensitive Plant Stevia *Stocks Sunflower Sweet Peas *Tagetes Verbena Viola cornuta

*Zinnia



PINKS

RIMROTE

Aconitum Anchusa Anemone Aquilegia Auricula Bellis Campanula Carnation Chrysanthemum Coreopsis Daisy Delphinium Digitalis Eupatorium

FLOWERING PERENNIALS Gaillardia Gypsophila Hollyhock Lobelia Lupinus Lychnis Myosotis

Pentstemon Phlox Platycodon Polyanthus Poppy, Oriental Pyrethrum Salvia

Scabiosa Caucasica Shasta Daisy Statice Sweet William Viola Wallflower

VARIETIES FOR SHADED AND PARTIALLY SHADED PLACES

Aquilegia Auricula Begonia, Tuberous Bellis Cineraria Clarkia

Daisy Digitalis Godetia

Kenilworth Ivy Lobelia Cardinalis Mimulus

Myosotis Nemophila Polyanthus Primula Viola

CLIMBING VINES

ANNUALS

Balsam Apple Cardinal Climber Convolvulus Cucumber, Wild

Cypress Vine Humulus Ipomoea Nasturtium

Sweet Peas Thunbergia Nasturtium

Ampelopsis Clematis Hop Vine

Kudzu Vine (Pueraria) Lathyrus Wistaria

PERENNIALS

VARIETIES FOR CUTTING

Acroclinium Antirrhinum Aquilegia Arctotis Aster Calendula

Calliopsis Candytuft Carnation Chinese Wool Flower Centaurea Chrysanthemum

Coreopsis Cornflower Cosmos Dahlia Delphinium Feverfew

Gaillardia Gerbera Gypsophila Helianthus Hunnemannia Larkspur

Marigold Mignonette Pentstemon Poppies Salpiglossis Scabiosa

Shasta Daisy Statice Stocks Sunflower Sweet Peas Zinnia.

EDGING AND BORDER PLANTS

Ageratum Alyssum Begonia, ever-blooming Bellis Candytuft, dwarf Centaurea Candidissima Cineraria Maritima Daisy Dimorphotheca Lobelia Marigold, French, Legion of Honor Myosotis Nasturtium, Tom Thumb

Nemophila Pansies Petunia. Rosy Morn Phlox Drummondi Polyanthus

Pyrethrum Tagetes Signata Pumila

FRAGRANT FLOWERS

Alyssum Candytuft Carnation

Centaurea Cyclamen Heliotrope Lupinus Mignonette Mimulus Moschatus Nicotiana Affinis Polyanthus Scabiosa

Stocks Sweet Peas Sweet William Violet Wallflower

ORNAMENTAL FOLIAGE PLANTS

Amaranthus Centaurea Candidissima Cineraria Maritima Coleus

Kochia Pyrethrum Ricinus

EVERLASTING FLOWERS

Acroclinium Gomphrena Gypsophila Paniculata Helichrysum

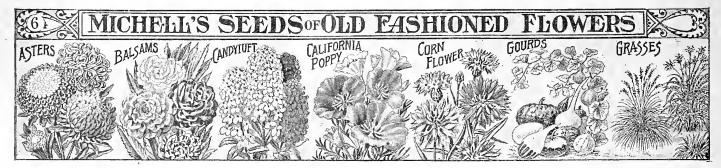
Rhodanthe Statice Xeranthemum

PLANTS FOR HANGING BASKETS, ETC.

Alyssum Asparagus Sprengeri Begonia Convolvulus Kenilworth Ivv Lobelia

Maurandia Nasturtium Nierembergia Petunia

Smilax Thunbergia





Michell's Collections of Popular Old-Fashioned Flowers

On this page the lover of Old-Fashioned Flowers will find a selection of all the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.

ASTERS — Michell's Improved Semple's Branching, in 6 charming and distinct colors; late bloomers	.50 .40 .50 .40
BALSAMS—Double Camellia Flowered. A greatly improved strain of these old favorites in 6 colors; very double	.50
CALIFORNIA POPPIES (Eschscholtzia). Their brilliant colors make the garden gay; very useful for cutting; 8 varieties	.60
CANDYTUFT. Flowers within six weeks after sowing, and will give a mass of attractive blooms; 6 colors	.50
CORN FLOWER, GIANT (Centaurea or Sweet Sultan). An old favorite garden annual; 6 colors	.50
GRASSES (Ornamental). In 11 grand varieties.	.75
HOLLYHOCKS. No garden should be without these very showy plants; 6 grand and distinct colors	.50
LARKSPUR. Excellent annuals for cutting; 6 colors	.50
MARIGOLDS. Double French. Profuse bloomers and always showy; 6 imported varieties	.40 .40
MIGNONETTE. Ever a favorite in the garden, and will bloom until frost; 6 varieties	.40
NASTURTIUMS. Invaluable as showy garden plants. Dwarf. 12 distinct sorts; one pkt. each Tall. 12 distinct sorts; one pkt. each	.50 .50
PANSY. No garden is a garden without Pansies. Ours are admitted to be the finest in existence. Giant Prize. 6 grand colors; fine Giant Prize. 12 grand colors; exquisite	.75 1.40
PETUNIAS. A greatly improved strain in colors and size; immense frilled flowers; single; 6 colors	.75

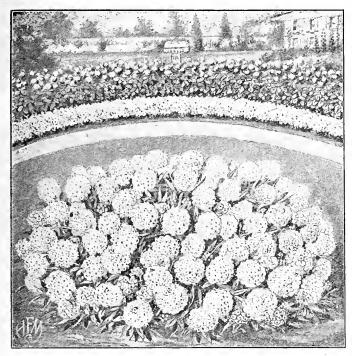
PHLOX DRUMMONDII. Grandiflora. 12 very beautiful and gaudy imported sorts	\$0.75
PINKS (Dianthus). Their delicious odor makes them ever attractive. Odd forms in 6 varieties	.40
POPPIES. Single Annual. Rich in colors. The most showy flowers in the garden and great favorites; 7 single sorts Double Annual. 6 colors	.50 .50
PORTULACA. Single. 8 varieties Double. The finest imported than can be had; 6 gorgeous colors; grand	.50
PRIMROSE (Primula Chinensis). Every one loves them; these 8 imported sorts are grand.	.75
SALPIGLOSSIS. Very curious and interesting forms; many are quite new; 6 colors	.50
SNAPDRAGONS (Antirrhinum). Old standbys for showy groups. Michell's Giant Tall. 6 colors	.50
MOURNING BRIDE (Scabiosa). Excellent hardy annuals; fine for cutting; 6 colors	.50
STOCKS. Flower Market. Plants branch free- ly and produce from 10 to 15 spikes of flowers; 6 colors	.75 .50
STRAW FLOWER (Helichrysum). Beautiful everlasting flowers, remaining perfect for months; 6 colors	.50
SWEET PEAS. Spencer or Orchid-Flowering. A grand selection of 12 varieties, all beautiful and distinct	1.00
VERBENAS. Mammoth Fancy. The kinds that bear the largest flowers; 6 colors	.50
WALLFLOWER. Single. Well-known favorites of distinct colors; 6 imported varieties Double. Very fine, compact trusses; 6 varieties	.40
ZINNIA. Dwarf Double. Indispensable in every garden: masses of flowers in all shades:	40
6 grand colors. Giant Dablia Flowered. Immense flowers, resembling Dablias; 8 separate varieties. Giant Double. Finest of all: every shade of	.40 1.50
Giant Double. Finest of all; every shade of color found in Zinnias; 12 colors	1.00



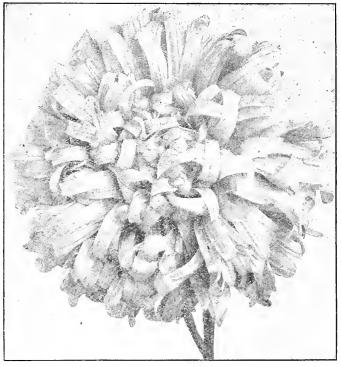


MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1924

FOR GENERAL LIST OF FLOWER SEEDS SEE PAGES 12 TO 48



Alyssum, Michell's Bouquet



Aster, California Giant

ALYSSUM, MICHELL'S BOUQUET

This new variety is of exceedingly dwarf and compact growth, very free flowering, plants forming a perfect bouquet of miniature white flowers. A perfect gem for edging. Commences to bloom when plants are very small and continues until frost. We have an extra fine strain of this variety. Per pkt., 10c.; 40c. per large pkt.; oz., \$1.50.

NEW GIANT SNAPDRAGONS

(Antirrhinum)

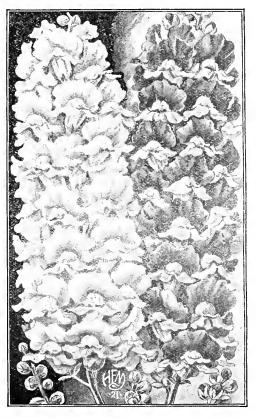
An entirely new race of this popular flower, the result of years of careful selection and culture; the flowers are of extraordinary size. The plants are robust and produce the flowers on extra long spikes.

Cattleya. A new giant variety; flowers silver rosy lilac, with golden yellow lip. Per pkt., 25c.; 60c. per large pkt.

Canary Bird. A pure and delicate canary yellow. Per pkt., 25c.; 60c. per large pkt.

Michell's Salmon Pink. An excellent strain of this popular florists flower; the plants grow to a height of 2 to 3 feet and produce extra long spikes of large flowers; color, delicate salmon pink. Per pkt., 15c.; 60c. per large pkt.

Snowflake. Lovely white with fine yellow throat. Per pkt., 25c.; 60c. per large pkt.



Antirrhinum (Snapdragon)

NEW ASTER CALIFORNIA GIANT

See Color Plate, 2nd Cover Page

A new variety of the Crego type, with the robust habit of growth and long stems of the Beauty type. Flowers larger than Crego and stand up well after being cut; their immense size and beauty with their long, sturdy stems make them very attractive.

	Large p	kt. Pkt.
Dark Purple.	1\$0.78	5 \$0.25
Deep Rose	.7.	5 .25
Light Blue		5 .25
Peach Blossom	78	5 .25
Mixed Colors	78	5 .25
Collection. One packe		
4 colors, 85c.		

AMARANTHUS, "MOLTEN FIRE"

(SUMMER POINSETTIA)

This beautiful foliage plant has attracted world-wide attention. The plant grows from three to four feet high and three feet across; the leaves develop an iridescent crimson-salmon color, a hue never before seen in any plant. It retains its brilliancy of color for three months. Per pkt., 40c.; 75c. per large pkt.

Special Offer.—One packet each of the Novelties and Specialties on this page (Mixed California Asternot included) for \$2.20.



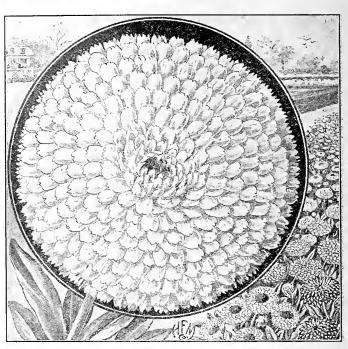
Aster, Heart of France

ASTER, HEART OF FRANCE

A new variety, description of which we quote from the introducers: "The best pure red Aster ever introduced. Heart of France opens red as the ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing a glow and sheen quite unique. The flowers are large and full with no trace of a hollow center; the plants are of branching type and very robust; stems long and strong." Per pkt., 25c.; 60c. per large pkt.; oz., \$3.00.



Cosmos, Extra Early Double



Calendula, Michell's Special Forcing

CALENDULA MICHELL'S SPECIAL FORCING, ORANGE

We have an extra fine strain of this popular flower grown for us by a very careful grower, seed being saved from plants producing large, perfectly double flowers; excellent as a pot plant or forbedding, as well as for cutting. Color, rich orange yellow. Perpkt., 20c.; 60c. per large pkt.; oz., \$2.25.

CELOSIA PLUMOSA PRIDE OF CASTLE GOULD

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c.; 75c. per large pkt.

DOUBLE COSMOS EXTRA EARLY FLOWERING

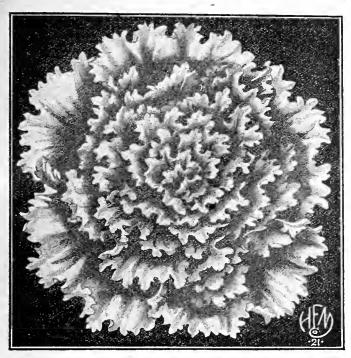
The double flowering strains of Cosmos which have been introduced within the last few years are becoming very popular. This new early flowering strain will commence blooming in July and will continue until frost. The flowers are full, round and double and very attractive.

			Large pkt. Pkt.
Crimson			\$0.85 \$0.25
		• • • · · • • • • • · · · · · · · · · ·	
Collection.	One packet	each of above 3 cold	ors, 65c.

DELPHINIUM (LARKSPUR) BLUE BUTTERFLY

An annual variety of the well known Larkspur, producing large, brilliant blue spikes of flowers; of compact habit. Blooms very freely from seed sown in early spring. Per pkt., 15c.; 50c per large pkt.; oz., \$2.25.

Special Offer.—One packet each of the Novelties and Specialties on this page (Mixed Cosmos not included), for \$1.25.



Hollyhock, Exquisite

NEW DOUBLE HOLLYHOCK, EXQUISITE

The flowers of this splendid new Hollyhock are very large, measuring 4 to $5\frac{1}{2}$ inches across and possess the charming new feature that every petal, both of the circumference and centre is exquisitely curled and fringed to an extent that immediately arrests the eye. The flower is extremely double; each white margined petal has a large blotch; the range of color at present includes Rose, Light Rose, Carmine Rose, Violet and Dark Purple. We offer the seed in mixture only. Per pkt., 25c.; 60c. per large pkt.



New Annual Larkspur, Exquisite



Gaillardia Grandislora, Dazzler

NEW GAILLARDIA GRANDIFLORA DAZZLER

Few flowers rival the Gaillardia for making a gorgeous display in the garden. This new perennial variety produces very large flowers, often attaining a diameter of 4 and 5 inches. The color is a bright golden yellow with rich maroon-red centre. The plant is vigorous, throwing up a profusion of long, erect flower stalks, which provide excellent material for cutting and are unsurpassable for table decoration. Per pkt., 25c.; 60c. per large pkt.

NEW ANNUAL LARKSPUR EXQUISITE

A new and much wanted color in the splendid double stock flowered type. The color is a soft yet bright rose color, that makes a charming and effective bunch when cut and equally as effective in the garden. Per pkt., 25c.; 40c. per large pkt.

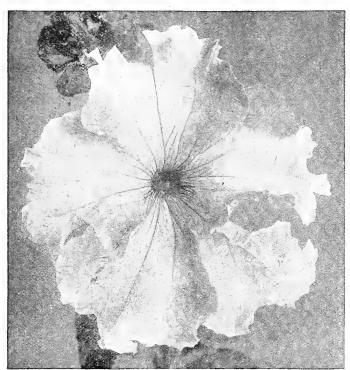
PANSY, ORANGE KING

A new variety, producing large flowers, the lower portion of which is of a vivid orange color, shading at the center to a lighter tone, whereas a distinct creamy tint is to be seen in the upper petals. Pkt. 30c.; 75c. per 3 pkts.

PRIMULA, EUREKA, SALMON PINK

This class is akin to the Obconica type, but of an entirely new Giant form and has commanded wherever grown unstinted praise. The compact flower heads have more the appearance of the Sinensis variety; large, well shaped flowers are carried well above the foliage on stout stems. The flowers of this variety are a most beautiful shade of salmon pink. Original pkt., 85c.

Special Offer.—One packet each of the Novelties and Specialties on this page, for \$1.60.



Portland Petunia

PORTLAND PETUNIAS

This new strain of Petunias was grown for us by a specialist, seed bearing plants being raised in balcony boxes and flowers artificially pollinated. For planting of veranda boxes and for choice potted plants or for bedding out these Petunias, in select colors, never fail to please. With these Petunias, the choicest seedlings are generally the slowest to develop, and the most rapid growers and earliest blooming seedlings usually are of inferior type.

Elks Pride. Deep, royal purple flowers of large size; free grower Per pkt., 40c.; \$1.25 per large pkt.

Irvington Beauty. A free blooming dwarf type, with peach blossom colored flowers of good size, with fringed edges and distinct white throat. Excellent for pots or bedding. Per pkt., 40c.; \$1.25 per large pkt.

Pride of Portland. Large, deep rose pink fringed flowers, with whitish yellow throat; fine for pots or box planting. Per pkt., 40c; \$1.25 per large pkt.

Scarlet Beauty. A strong grower with medium sized fringed flowers; color, shading from cherry red to deep maroon towards the center. Per pkt., 40c.; \$1.25 per large pkt.

White Beauty. Fine pure white flowers in greatest profusion; good sized flowers with fringed edges. Excellent for veranda box planting. Per pkt., 40c.; \$1.25 per large pkt.

Mixed Colors. Per pkt., 40c.; \$1.25 per large pkt.

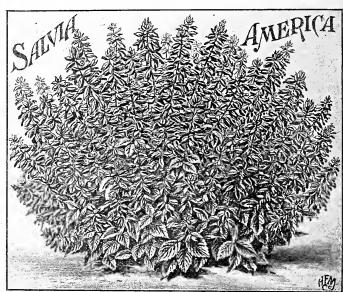
LARGE FLOWERING PETUNIA "MICHELL'S MONSTROSUS"

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed, the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 85c. per large pkt.

PRIMULA OBCONICA GIGANTEA MONSTER STRAIN

NEW RICINUS OR CASTOR OIL PLANT "RED SPIRE"

The shapely, bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the summer and autumn numerous spikes of flowers or seedpods 9 to 18 inches long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers, and like other Ricmus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. Per pkt., 15c., 40c. per oz.



SALVIA (Scarlet Sage) AMERICA OR GLOBE OF FIRE

Of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer, and produces large spikes of brilliant scarlet flowers. We consider this variety an improvement over any other dwarf Salvia. Per pkt., 25c.; 75c. per parge pkt; per $\frac{1}{4}$ oz., \$1.75.

SCHIZANTHUS GARAWAY'S HYBRIDS

A grand strain; plants grow about 2 feet high, with fern-like foliage and bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. If seed is sown in February plants will bloom in summer, and if sown in May or June will make handsome subjects for the conservatory in winter. Per pkt., 25c.; 75c. per large pkt.

NEW EARLY FLOWERING SPENCER SWEET PEAS

The following varieties but recently introduced have proven to be a great improvement in the Early Flowering Spencer Sweet Peas. They are of special merit as regards size and form of flowers and length of stem.

Pkt. ½ oz. Oz.

Burpee's Orange. Finest clear glistening orange; flowers of largest size and produced

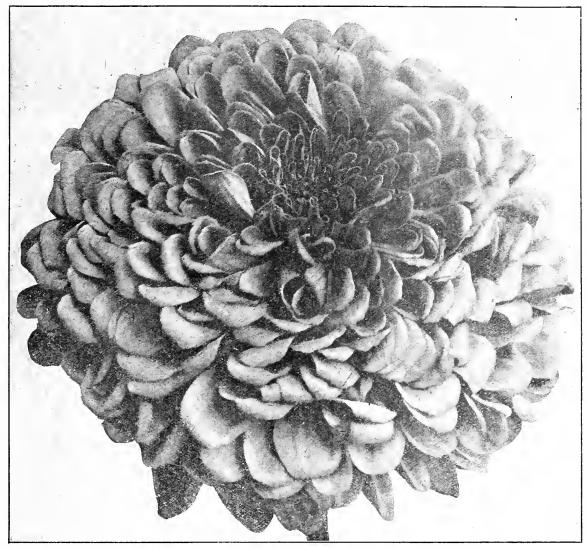
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1.25

.75

.15

MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS



New Giant Dahlia Flowered Zinnia

See Color Plate, Front Cover

ZINNIA **NEW GIANT DAHLIA FLOWERED**

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from $2\frac{1}{2}$ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and $2\frac{1}{2}$ to 3 inches deep. The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to

listinguish one from the other. This new variety is al or growing under glass for cutting.	so va	luable
Large	pkt.	Pkt.
Crimson Giant. By far the largest and best of the red shades; plants very vigorous\$	0.75	\$0.25
Dream. A fine, deep lavender turning to purple, a new, desirable shade in Zinnias	.75	.25
Exquisite. One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose centre	.75	.25
Golden State. A very rich orange yellow; yellow in the bud, turning to an attractive orange when in full bloom	.75	.25
Old Rose. A very desirable shade; flowers large and of fine form	.75	.25

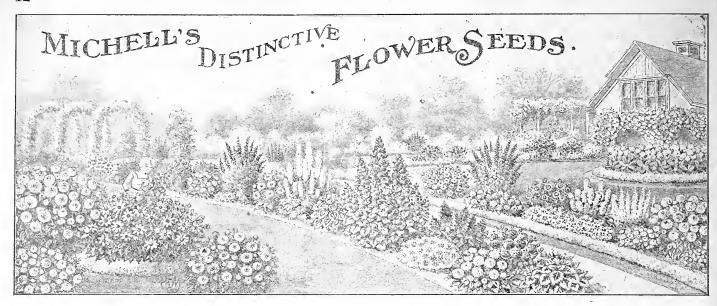
	ge pkt.	Pkt.
Oriole. One of the most beautiful of its class; an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful		
bird for which it was named	\$0.75	\$0.25
Polar Bear. A very large pure white; the best white yet seen in Zinnias		.25
Scarlet Flame. A large, beautiful bright scarlet, with a delightful blending of orange throughout		
the petal	.75	.25
Mixed Colors. A well blended mixture, covering a		
wide range of colors and shades	.60	.15
Collection. One packet each of above 8 separate $$1.50$.	varieti	es for

DOUBLE PICOTEE ZINNIAS

The flowers of this class, while not as large as the Double Giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Large pkt. Pkt.

Golden Pheasant. Color, gold ground, each petal	
tipped with maroon \$0.75	\$0.25
La France. A beautiful, soft pink, each petal dis-	
tinctly tipped with deep chocolate markings	.25
Mixed. All colors, including new colors from white	
to scarlet	.25

to scarlet.....



Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties

bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON PAGES TWO AND THREE OF CATALOG. FOR NOVELTIES, SEE PAGES 7 TO 11.

ABUTILON (Flowering Maple)

Large Pkt. Pkt.

Choice Mixed. Used extensively for ornamental bedding; also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet ...\$0.75 \$0.10

ACHILLEA (Milfoil or Yarrow)

Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed; flowering the first season if seed is sown early; excellent cut flower for vases; 2 feet

.10

ACONITUM (Monk's Hood or Helmet Flower)

Handsome hardy perennial, thriving best in semi-shady situations; effective in hardy borders, shrubberies, etc.; curious hood-shaped flowers in clusters; height, 4 feet; August-September.

Large Pkt. Pkt. \$0.40 \$0.10 Napellus. Blue.....

ACROCLINIUM (Everlasting Flower) See page 27

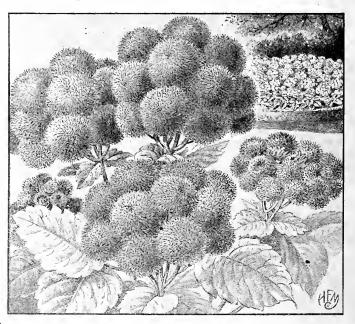
AGROSTEMMA

Coronaria (Mullein Pink). Silvery foliage and bright crimson flowers; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet; June to August

.25 .10

Testimonial

Bloomington, Ind. Please find enclosed order for Flower and Vegetable Seeds. We had the finest Asters last year from your seed we have ever grown. F. L. M.



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August A continuous bloomer.

Large Pkt. Pkt. Blue Perfection. Large heads of deep blue flowers produced in abundance; 15 inches.

Imperial Dwarf Blue. Clear blue; compact growing \$0.25 \$0.10 plant; height, 9 inches
Imperial Dwarf White Imperial Dwarf Mixed... .10 Little Blue Star. Plants densely covered with bright blue flowers; height, 5 inches...... .75.15

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.10

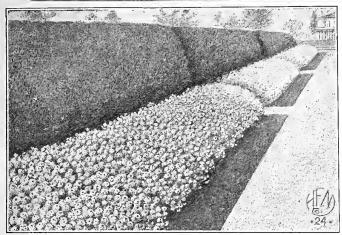
.10

.10

.50

.15

.10



Sweet Alyssum

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; it is of the easiest culture, and is suitable alike for beds and edging in summer, or for growing in pots and boxes for winter blooming.

Large pkt

Lilac Queen. A distinct variety of dwarf, compact

growth, with flowers of a pure lilac color; 4 inches . \$0.25 Large pkt. Pkt. \$0.10 .10 Little Gem. Dwarf compact plants, densely covered with large white flowers; commences to bloom when .10

.25 forms a perfect bouquet of miniature white flowers a perfect gem for edging. For illustration and full .40 height, 6 inches..... . . oz., 30c. Saxatile Compactum (Basket of Gold). An ideal hardy perennial plant, flowering in May; showy golden-yellow flowers; blooms the first season if sown early indoors; excellent for rockwork. Height,

AMARANTHUS Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May. Useful in borders of tall plants or for the centre of large beds. Large pkt. Pkt.

Molten Fire (New). Crimson salmon. For full description, see page 7. \$0.85

Caudatus (Love Lies Bleeding). Long drooping crim-\$0.40 son racemes; height, 3 feet..... Sunrise. Foliage bronzy crimson, tipped carmine. .40 .10 Tricolor Splendens (Joseph's Coat). Foliage green, variegated crimson and yellow; height, 2 feet..... .10 Mixed. All sorts.... AMPELOPSIS (Boston or Japanese Ivy) .10 Veitchi. A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. best hardy vine for covering brick or stone buildings .25 .10 or walls.... oz., 50c. ANCHUSA (Sea Bugloss) Italica "Dropmore." A very popular strong growing

hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue, borne on graceful stems, during the entire season; 3 to 4 ft. .30 .10 ANEMONE (Wind Flower) Coronaria. Mixed colors. A pretty, hardy perennial, producing large flowers; excellent for bouquets; .30 .10 1 foot. St. Brigid or Poppy. Flowers large, semi-double and

double; in many colors; 1 foot...... ANTHEMIS (Hardy Marguerite) Tinctoria Kelwayi. A handsome, hardy perennial, bearing all summer, daisy-like bright yellow flowers; excellent for cutting; 2 feet.....



Michell's Giant Antirrhinum (Snapdragon)

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early, sow indoors during February or March. but even if sown outdoors early in May it will bloom in July.

MICHELL'S GIANT ANTIRRHINUMS

Spikes, 2 to 3 feet in length, with giant flowers.

opines, a to a reet in length, with grant nowers.	
Large pk	t. Pkt.
Michell's Giant Salmon Pink. Long spikes of	
flowers of a delicate salmon pink color\$0.60	\$0.15
Keystone. Long spikes; color, rose pink	1.00
Silver Pink	1.25
Giant Canary Bird. Canary yellow	.25
Giant Cattleya (New). Silver rosy lilac, golden lip60	.25
Giant Garnet	.10
Giant Orlando. Bronze	1.25
Giant Philadelphia Pink (New). See page 7	1.25
Giant Pink	.10
Giant Scarlet	.10
Giant Snowflake. Pure white	.25
Giant Striped	.10
Giant Venus. Shell pink on white ground50	.15
Giant White	
Giant Yellow	
Collection, one packet each six colors, 50c.	*10
Giant Mixed. All colorsoz., 90c30	.10
State 1711/2007 1111 001015	.10

ANTIRRHINUMS-Various Sorts

The Semi-Dwarf sorts grow about 18 inches high, with large flowers over most of the stem; excellent for bedding.

	La	ırge pkt.	Pkt.
Semi Dwarf.	Bride. Pure white	\$0.40	\$0.10
"	Daphne. Carmine pink, white throa		.10
"	Firebrand. Rich deep red	30	.10
66	Golden Queen. Golden yellow	30	.10
44	Mont Blanc. Pure white	30	.10
44	Nelrose. Pink	50	.15
44	Mixed. All colors		.10
Tom Thumb	Mixed. All colors; 12 inches	30	.10



Aquilegia (Columbine) Long Spurred

AQUILEGIAS OR COLUMBINES

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

Large pkt. Pkt. Californica Hybrida. Mixed colors, principally yellow and orange shades; long spurs.....\$0.60 \$0.10 Chrysantha (Golden Spurred). Bright golden yellow. .10 Coerulea (Rocky Mountain Columbine). Large flowers, violet blue and white..... .10 Long Spurred Hybrids. Flowers of many rich and .60 .10 varied colors, with long spurs..... Rose Queen. Light to dark pink with white centre .15 75 .10 Single Mixed. All colors......oz., 75c. .10 ARABIS (Rock Cress)

MICHELL'S CULTURAL LEAFLETS

lilac-blue; 2 feet.....

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the varieties named successfully from seed. These leaflets are free.

manned baccebbraily 1.	ioni beca. Inche io	direct die ilee.
201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur
203. Cineraria.	210. Salvia.	(Annual).
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum
206. Primula.	213. Carnation.	219. Nasturtium
207. Verbena.	214. Cosmos.	220. Begonia.

ARTEMISIA

Sacrorum Viridis (Summer Fir). new $ornamenta \bar{l}$ foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Plants cultivated in the open ground may be successfully planted in pots without any interruption of their growth. Per pkt., 15c.; 30c. per largé pkt.

ARUNDO

(Ornamental Grass) See Page 29

.10



Artemisia, Sacrorum Viridis

ASPARAGUS

ter or for outdoors in the summer.....

Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut.....\$1.00 \$0.25

Sprengeri. One of the best plants to grow in hanging baskets or window boxes for the greenhouse in win-

ASPERULA (Woodruff)

Large pkt. Pkt.

Odorata. A pretty hardy perennial plant thriving in partial shade; flowers white. The leaves and flowers when dried have an odor like new mown hay and when laid among clothes perfume them and keep away insects; 1 ft.; May...............\$0.30 \$0.10

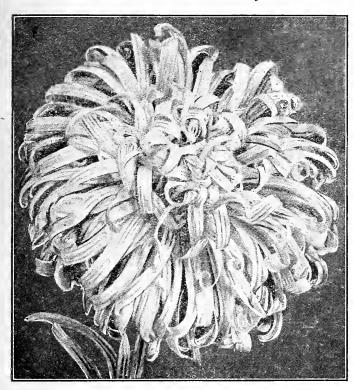


Arctotis Grandis (Large pkt. 25c.)

.10

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers, sow the seed in the house, hotbed or cold frame, from March till May; otherwise sow outdoors after danger from frost has passed. To do well, Asters require a well-pulverized soil, always kept open by continuous cultivation and should not be planted in the same location two years in succession.



Astermum

ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, and may be set more closely than other varieties. Each plant yields from ten to fifteen blooms.

Oz. Large pkt. Pkt.

prairie ground from ton to interest seconds		8 - 1	
Lavender	\$2.25	\$0.50	\$0.15
Rose Pink	2.25	.50	.15
Shell Pink	2.25	.50	.15
White			
Mixed		.50	
Collection, one pkt. each of above 4 colors.			.50

CALIFORNIA GIANT ASTERS

For illustration see page 7.

A new variety with flowers of the Crego type, and with the habit of growth and long stems of the Beauty type. Flowers large and stand up well after being cut. Their immense size and beauty, as well as their long stems make them very attractive.

Large pkt. Pkt.	Large pkt. Pkt.
Dark Purple\$0.75 \$0.25	Light Blue\$0.75 \$0.25
Deep Rose	Peach Blossom75 .25
Choice Mixed	

Collection, one pkt. each of above 4 colors, 85c.

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

Oz. Large pkt. Pkt.

stems average 18 inches in length.	Uz. La	arge pkt	. PKt.
Dark Blue	\$3.00	\$0.60	\$0.10
Pink	. 3.00	.60	.10
White	. 3.00	.60	.10

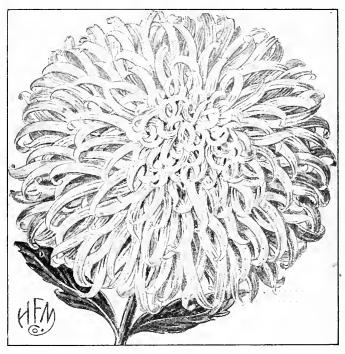
DAYBREAK ASTERS

The Daybreak class forms strong plants of upright, bushy habit and are very profuse bloomers; excellent for beds or borders; flowers perfectly double and carried on long, erect stems.

	Oz. La	arge pkt	. Pkt.
Azure Blue	\$3.00	\$0.60	\$0.10
Lavender	3.00	.60	.10
Pink (Pink Daybreak)	3.00	.60	.10
Purity (White Daybreak)	3.00	.60	.10
Rose Pink		.60	.10
Mixed	2.50	.60	.10
Collection, one pkt. each of above 5 colors			.40

HEART OF FRANCE ASTER

The flowers are large and full to the centre; opens ruby red, deepening with age. Plants are of branching type; flower stems long. See page 8 for illustration and full description. Per pkt., 25c.; 60c. per large pkt.; oz., \$3.00.



Pink Superb Aster (Large pkt., 75c.)

MICHELL'S PINK SUPERB ASTER

The flowers are of immense size, petals long and broad; those in the centre lie curled and incurved, completely covering the crown; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. An excellent sort for cutting. Per pkt., 25c.; 75c. per large pkt.; oz., \$3.50.

Toronto, Canada

Last year the Asters, from seed purchased of you, were fine; we cut large blooms from them very late in the season.

LEC.

See pages 7 to 11 for Novelties and Specialties in Flower Seeds.



CREGO'S GIANT COMET ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

		Large	
		Pkt.	Pkt.
Azure Blue		\$0.50	\$0.10
Crimson		.50	.10
Lavender	2.25	.50	.10
Purple		.50	.10
Rose Pink		.50	.10
Shell Pink	2.25	.50	.10
White	2.25	.50	.10
Mixed	2.00	.50	.10
Collection, one packet each of 6 colors			.50

AE60.

ASTER, VICK'S SILVERY ROSE

A long-stemmed, large-flowering variety; each petal is a combination of deep lilac rose, almost cerise, delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen; even the slightest change in light will shade the petals from a rich, glowing rose cerise to a silvery rose. Pkt., 15c.; 60c. per large pkt.

See pages 7 and 8 for novelties and specialties in Asters.

ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to three feet in height, according to coation, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last. Each plant forms a perfect bush.

Large Pkt. Pkt.
Azure Fairy \$0.75 \$0.15
Carmine Rose .75 .15
Lavender .75 .15
Shell Pink .75 .15
White .75 .15
Collection, one packet each of above 5 colors, 60c.

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing on 2-foot long stems, massive, well-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until frost.

		Large	
		Pkt.	Pkt.
Blue\$2	2.25	\$0.50	\$0.10
Crimson 2	2.25	.50	.10
Lavender 2	2.25	.50	.10
Rose Pink 2	.25	.50	.10
White 2	2.25	.50	.10
Mixed. All colors	.00	.50	.10
Collection, one packet each of above 5 colors.			.40

PACIFIC BEAUTY ASTER

A new variety of the same type as Crego, producing a profusion of immense blooms of a rich lavender color. The petals are wide and long and gracefully curled. Pkt., 25c.; 75c. per large pkt.; 1/4 oz., \$1.25.



Michell's Superb Asters

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12inch stems in the greatest profusion early in July.

		Large	
	Oz.	Pkt.	Pkt.
Blush Pink	\$1.75	\$0.50	\$0.10
Crimson	1.75	.50	.10
Dark Blue	1.75	.50	.10
Light Blue	1.75	.50	.10
Rose Pink	1.75	.50	.10
White	1.75	.50	.10
Choice Mixed		.40	.10
Collection, one packet each of above 6 of	colors		.50

ASTER, EARLY ROYAL BRANCHING

of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August and lasting in perfect condition for a long time. Very desirable for beds or borders, and an excellent variety for cutting. Large

Oz. Pkt. Pkt.

Lavender \$2.50 \$0.60 \$0.10 Purple... 2.50 .60 .10

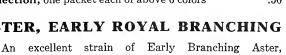
Rose Pink 2.50 .60

Shell Pink 2.50 .60 White... 2.50 .60

Mixed... 2.25 .50 .10

Collection, one pkt.

each of above 5





Queen of the Market

Michell's Improved Semple's Branching Aster

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, makes it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster. Large

	UZ.	PKt.	PKU.
Crimson	\$2.25	\$0.50	\$0.10
Lavender	2.25	.50	.10
Purple	2.25	.50	.10
Rose Pink	2.25	.50	.10
Shell Pink	2.25	.50	.10
White	2.25	.50	.10
Choice Mixed.	1.75	.50	.10
Collection, on	e pkt.	. each	
of above 6 co			.50

PERENNIAL ASTER

(Michaelmas Daisy) Large pkt. Pkt.

Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet\$0.40 \$0.10

AURICULA (Primula Auricula)

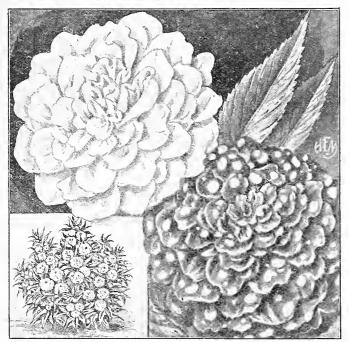
Choice Mixed. Beautiful low growing, early spring flowering plants; fine for borders, pot culture, etc.; have multi-colored flowers in great variety; halfhardy perennial; 6 inches; May\$0.75 \$0.10

AVENA (Ornamental Grass) (See page 29) BABY'S BREATH (See Gypsophila) BACHELOR'S BUTTON (See Centaurea and Gomphrena)

BALLOON VINE (Love-in-a-Puff)

Pkt.

A rapid growing annual climber; white flowers, followed by seed pods which look like miniature balloons\$0.25 \$0.10



Camellia Flowered Balsam

DOUBLE BALSAM (Lady's Slipper)

These old-fashioned flowers have been much improved, and what we offer are perfect in form and of the largest size. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easy culture and will surely succeed almost anywhere; height 2 feet.

Large

Oa	z. Pkt.	Pkt.
Camellia Flowered, Pink\$1.	00 \$0.30	\$0.10
Camellia Flowered, Prince Bismarck. Rich		
salmon pink	.30	.10
Camellia Flowered, Scarlet 1.	.30	.10
Camellia Flowered, White Perfection 1.	.30	.10
Camellia Flowered, Choicest Mixed	75 .30	.10
Imported Collection of 6 Colors		.50

BALSAM APPLE (Momordica)

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior, oz., 50c. .25 .10

BAPTISIA (False Indigo)

BEAN (Runner)

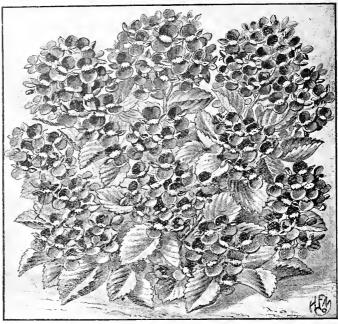
A rapid climber, flowering profusely; grows 10 to 15 ft. high. Scarlet. Per lb., 35c.; 65c. per 2 lbs.; pkt., 5c.

BELLIS PERENNIS (See Daisy)
BLANKET FLOWER (See Gaillardia)
BLUE LACE FLOWER (See Didiscus)

BOCCONIA (Plume Poppy)

BRACHYCOME (Swan River Daisy)

BROMUS (Ornamental Grass) (See page 29)



Begonia, Gracilis Luminosa

BEGONIA (Semperflorens Type)

The following varieties are unsurpassed for bedding plants, thriving equally well in partially shaded or sunny locations. As pot plants for winter flowering, they are superb. Seeds sown in February or March under glass will produce nice plants for planting out in June.

Large pkt. Pkt. Erfordia. Delicate pink, one of the choicest......\$0.75 \$0.15 Salmon Queen. Flowers brilliant salmon red; foli-

BEGONIA, GRACILIS

BEGONIA, TUBEROUS ROOTED

BROWALLIA

marine blue; does finely outside in the border but is especially desirable as a pot plant for winter and early spring flowering.....

BUTTERFLY FLOWER (See Schizanthus)

TESTIMONIAL

Frankfort, Ky.

Kindly send the attached list of seeds. Your seeds last year were very satisfactory.

T. F. S.

.20

MIGHELS FLOWER SEEDS





Michell's Grandistora Calceolaria

CALCEOLARIA

Excellent plants for decorating the greenhouse or conservatory; produces a mass of pocket-like flowers through the spring and summer. Our strains of Calceolaria have a wide reputation as to large size and rich and varied colors of the flowers. Large Hybrida Grandiflora, Tall Mixed. Large flowering, Pkt. Pkt. rich, self-colored flowers saved from a choice collection. 18 inches

CALIFORNIA POPPY (See Eschscholtzia) CALLIOPSIS (Coreopsis) ANNUAL VARIETIES

One of the showiest and most easily grown annuals; perfect little bushes, which are a mass of bloom from early summer until cut down by frost; excellent for cutting.

Oz. Pkt. Pkt.

Golden Wave (Drummondii). Large yellow
flowers with dark brown centres: 1 foot \$0.40 \$0.25 \$0.10

flowers with dark brown centres; 1 foot ... \$0.40 \$0.25 \$0.10 Nigra Speciosa. Rich crimson; 2 feet402510 Choice Mixed. All varieties and colors402510

PERENNIAL VARIETIES

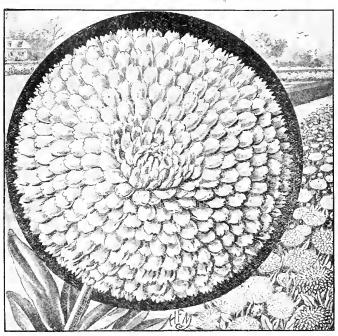
One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting.

Testimonial

Jacksonville, Miss.

I ordered some seeds from you last fall and they gave me better satisfaction than any seed I have ever planted.

Mrs. W. J.



Calendula, Michell's Special Forcing, Orange

CALENDULA (Pot Marigold)

Free flowering showy annuals of easy culture, producing a fine effect in beds or mixed borders; continues in bloom from early summer until killed by frost. Valuable for pot culture, blooming freely in winter and early spring; 1 foot.

Large
Oz. Pkt. Pkt.
Forcing, Orange \$2.25 \$0.60 \$0.20
riped orange
ch dark orange
golden yellow
Forcing, Orange \$2.25 \$0.60 \$0.2 non-yellow .40 .25 .1 riped orange .40 .25 .1 ch dark orange .40 .25 .1 golden yellow .40 .25 .1



Calliopsis, Golden Wave (Large pkt. 25c.)

FLOWER SEEDS



CAMPANULA MEDIA (Canterbury Bell)

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following summer, after which they die.

,	•		Pkt.	
Single Blue		\$0.60	\$0.25	\$0.10
Single Pink		.60	.25	.10
Single White		.60	.25	.10
Single Mixed		.50	.25	.10
Double Blue			.50	.10
Double Pink			.50	.10
Double White			.50	.10
Double Mixed		1.50	.40	.10

CAMPANULA MEDIA CALYCANTHEMA (Cup and Saucer Canterbury Bells)

These produce beautiful, large single flowers, resembling a cup and saucer; very effective when grown in pots for conservatory decoration; they require the same treatment as above.

Large pkt.	Pkt.	Large pkt.	
Blue	\$0.10	White\$0.50	\$0.10
Pink	.10	Mixed, 1/4 oz., 60c40	.10

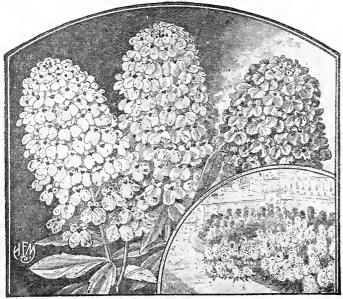
CAMPANULAS OR BELLFLOWERS (Perennial Varieties)

These are among our best known hardy perennials, and deserve a place in every perennial flower garden. The tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

Large pl	ct. Pkt.
Carpatica, Blue (Carpathian Hare Bell). Compact tufts	
not exceeding 8 inches; flowers clear blue, held erect;	
blooms in June and July	\$0.10
Carpatica, Alba. Pure white	.10
Persicifolia Grandiflora, Blue (Peach Bells). Stately	
spikes, 4 feet tall, with immense blue bell-shaped flowers75	.15
Persicifolia Grandiflora, Alba. Pure white	.15
Pyramidalis (Chimney Bellflower). Perfect pyramids 6 ft.	
high, crowded with large bell-shaped flowers, blue and	
white mixed	.10

CANARY BIRD VINE (Tropaeolum Canariense)

One of the most charming annual climbers, bearing hundreds of pretty, fringed, bright yellow flowers, which resemble a canary bird with expanded wings...oz., 40c.



Canduluft, Michell's Giant White



Campanulas

CANDYTUFT (Iberis)

Dwarf, profuse flowering garden annuals of easy culture; useful for bedding or borders; blooms within six weeks after sowing; excellent for cutting; height, 1 foot. .10

		Large	
	Oz.	Pkt.	Pkt.
Carmine		\$0.25	\$0.10
Crimson	.40	.25	.10
Empress. An excellent variety with long		.20	•10
twigger of nine white flavore	40	0.5	10
trusses of pure white flowers	.40	.25	.10
Lavender	.40	.25	.10
Little Prince. Very dwarf and compact, with			
pure white flowers; excellent for edging	.40	.25	.10
Michell's Giant White. The largest and			
finest white. From 10 to 12 immense spikes			
resembling Hyacinths appear on a single	_		
plant; fine for forcing	.75	.25	.10
plant, time for forcing	.15		
Pink	.50	.25	.10
Purple. Deep rich purple	.40	.25	.10
Rose Cardinal. Rosy red	.75	.25	.10
Choice Mixed. All colors	.25		.10
Collection. One packet each, 6 colors			.50
Sempervirens. Dwarf spring flowering peren-			
nial plants; ideal for the bulb border;			
flowers of glistening white; May; 1 foot		.60	.10
nowers of gustening write; May, 1 100t		.00	.10
CANNA (Indian She	**		

CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hotbed.

Crozy's Dwarf Mixed. From the finest sorts....\$0.30 \$0.10

MICHELES FLOWER SEEDS

518 PHILA.

CANTERBURY BELL (See Campanula)



Carnation, Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

La	rge pkt.	Pkt.
Pink	\$0.50	\$0.10
Scarlet	50	
White		
Yellow		.10
Choice Mixed oz., \$1.50	.30	.10

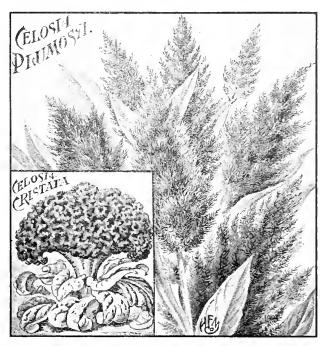
CASTOR BEAN (See Ricinus)

CELOSIA

Chrysantheflora $(N \ell w)$. Immense round heads of flowers in a great variety of colors, including salmon pink and bronze; blooms from middle of July to November. Per pkt., 25c.; 75c. per large pkt.

CARDINAL CLIMBER (Ipomoea Quamoclit Hybrida)

A distinct and beautiful new annual climber; a very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Succeeds best in a warm, sunny location and good soil. Leaves dark green and deeply laciniated; bears a great profusion of fiery, cardinal red flowers, which are about $1\frac{1}{2}$ inches in diameter. In order to have good germination of the seed of Cardinal Climber, a small notch should be filed or cut in each seed. Per pkt., 15c.; 60c. per large pkt.



CELOSIA CRISTATA (Crested Cockscomb)

Very desirable annuals of easy culture, producing large, brilliant, comb-like heads; make excellent border plants, and are also attractive for pots; 1 to $1\frac{1}{2}$ feet.

	Larg	ge pkt	. PKt.
Giant Empress.	Giant heads of rich crimson\$	0.60	\$0.10
Glasgow Prize.	Showy dark crimson	.50	.10
Choice Mixed.	Dwarf varieties	.40	.10

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting. Can also be cut and dried for winter bouquets.

Can also be cut and dried for winter bouquets.	ung.
Large pkt.	Pkt.
Childsi (Chinese Woolflower). Plants grow 2½ feet	
high, and produce a large number of ball-shaped	
	\$0.15
Childsi, Pink. Same type as above; flowers delicate	15
pink	.15
Golden Plume. Bright golden yellow plumes25 Pride of Castle Gould. Plants grow compact and	.10
pyramidal, about 2 to 3 feet high, producing im-	
mense flower heads that closely resemble ostrich	
plumes. Colors are blood-red, carmine, vellow,	
orange, golden, orange-scarlet, etc., in mixture	.15
Scarlet	.10
Spicata. Of pyramidal growth; flowers pink, shading	.10
to silvery white; 3 feet	.10
Thompsoni Magnifica. An improved strain with	•10
various colors, ranging from the clearest yellow to	
the darkest blood red; 3 feet	.10
Thompson's Superb (Triomphe de l' Exposition). A	
strain with bronze colored foliage and graceful feath-	
ery plumes of brilliant crimson; 3 feet	.10
Choicest Mixed. All colors	.10

CENTAUREAS CENTAUREA CYANUS

(Cornflower	or	Ba	chel	or's	But	tton)	
	-		T)	1 0		TD14	-4

(Colling of the indicators is indicators)
Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an
old favorite garden annual; excellent for cutting; 2 feet.
O- T nl-+ Dl-+

	Oz. L	arge pk	t. Pkt.
Double Blue. Large flowering	. \$0.75	\$0.25	\$0.10
Double Rose	75	.25	.10
Emperor William. Deep blue	40	.25	.10
Pink		.25	.10
White	40	.25	.10
Choice Mixed	40	.25	.10
Double Mixed	50	.25	.10
COLUMN TO THE PARTY OF THE PART	A W WC		•

CENTAUREA IMPERIALIS

(Giant Cornflower, or Sweet Sultan)
The finest of all Sweet Sultans for cut flower purposes; gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut.

Height, 2 to 3 feet.		Oz. L	arge pkt	. Pkt.
Deep Rose	:	\$1.00	\$0.30	
Lavender		1.00	.30	
Lilac		1.00	.30	.10
Brilliant Pink		1.00	.30	.10
Purple		1.00	.30	.10
White		1.00	.30	.10
Choice Mixed			.25	.10
Collection. One packet each above 6 color	S			.50
AUDIT OF A RID DE OFFICIENCE (~ H-1	-	TID IT A	

NEW GIANT FLOWERED CENTAUREA

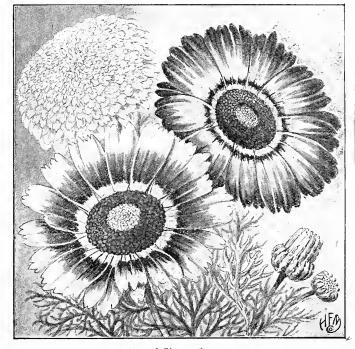
Magnificent flowers produced on long, stout stems;	excellent
for cutting. Large	pkt. Pkt.
Bride. Pure white\$0	.50 \$0.10
Bridegroom. Purplish mauve	
Honeymoon. Golden yellow	.50 $.10$

WHITE LEAVED CENTAUREA (Dusty Miller)

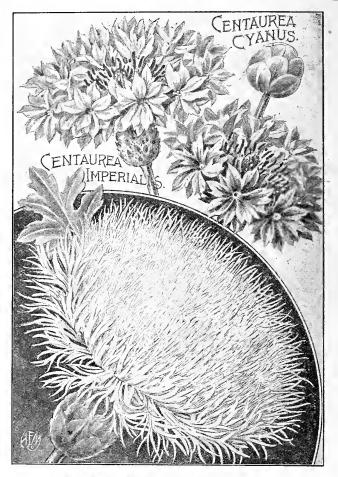
Grown for their silvery foliage as edging plants, also for vases, hanging baskets, etc. 500 Seeds. Pkt. Candidissima. Broad cut leaves of silvery gray...\$0.30 \$0.10 Gymnocarpa. Fine cut silvery gray foliage.........20 .10

VARIOUS CENTAUREAS

VARIOUS CENTAUREAS	
Large pk	t. Pkt.
Suaveolens (Yellow Sweet Sultan). Showy, bright	
yellow, fragrant blossoms	\$0.10
Montana. Blue; perennial; 18 inches	.10



Annual Chrysanthemums



CERASTIUM (Snow in Summer)

Large pkt. Pkt. Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches.......\$0.40 \$0.10

CHINESE WOOLFLOWER (See Celosia)

CHRYSANTHEMUM (Annual Varieties)

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant. Large pkt. Pkt.

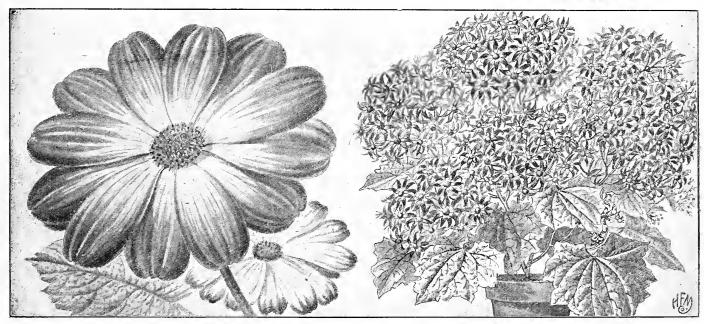
Helios (Evening Star). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet \$0.25 **Double Mixed** .0z., 40c. .25 \$0.10 .10 Single Mixed......oz., 40c. .25 .10

DATE & NUMBER DATE OF A PROPERTY OF STATE OF STA

CHRYSANTHEMUM (Perennial Varie	ties)	
Japanese Hybrids. Large flowers of the finest types;		
an extra choice mixture; seed sown in spring will		
produce flowering plants by fall; 2 feet	.75	.15
King Edward VII. Flowers extra large; pure white;		
very free flowering	:30	.10
Shasta Daisy, "Alaska." Extra large flowers, of		
pure glistening white, with broad overlapping petals;		
a beautiful cut flower; 2 feet	.60	.10
Early Flowering Double and Semi Double Mix-		
ed. A new perennial variety, which can also be		
treated as an annual, blooming the first year from		

See pages 7 to 11 for Novelties and Specialties in Flower Seeds.

seed. The flowers are of many colors and shades...



Cineraria, Michell's Grandiflora Prize (large pkt. 85c.)

CINERARIA

Most ornamental plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our Grandiflora Prize Strain cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across.

of large flowers, often measuring 4 inches across.		
Grandiflora Prize Dwarf. Mixed colors; plants	Large pkt	. Pkt.
of dwarf habit	\$0.85	\$0.35
Grandiflora Prize Medium Tall. Mixed		
colors; desirable as a decorative plant.	.85	.35
Matador. Large flowering scarlet	.85	.35
Stellata Hybrida. Of graceful habit; produc-		
ing a profusion of flowers; mixed colors	.75	.25
WHITE-LEAVED CINERARIA (Dust	tv Miller	r)

Annuals of easy culture; planted in large	groups they are
very bright and effective.	Large pkt. Pkt.
Queen Mary. Double; rose carmine	\$0.25 \$0.10
Salmon Queen. Salmon pink; double	
Scarlet Queen. Double; orange scarlet	.25 .10
White. Double	.25 .10
Single Mixed. All colors	
Double Mixed. All colors	.25 .10

CLEMATIS

Perennial climber; fine for arbors, verandas, etc. Large pkt. Pkt. Paniculata (Japanese Virgin's Bower). The beautiful autumn-flowering variety, admired for its fragrant, white star-shaped flowers. \$0.25 \$0.10

CLEOME (**Spider Plant**)
An attractive annual plant with curious heads of flowers.

COBAEA SCANDENS (Cup and Saucer Vine)

COCKSCOMB (See Celosia)

COIX LACHRYMAE (Ornamental Grass)

(See page 29)

COLEUS Large pkt. Pkt.

Large Leaved Hybrids. Popular bedding plants, with beautifully colored foliage; easily grown from seed if kept in a warm temperature \$0.75 \$0.25

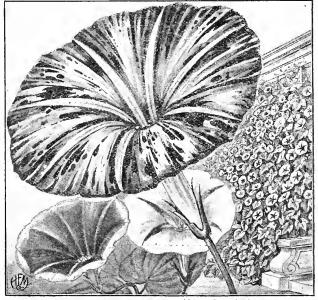
Cineraria, Stellata Hybrida (large pkt. 75c.)

COLUMBINE (See Aquilegia) CONVOLVULUS (Morning Glory) MAJOR, OR TALL VARIETIES

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation. Oz. Pkt. Japanese Imperial. Flowers of immense size and of a great variety of colors . \$0.25 \$0.10 Japanese Imperial Fringed. Large fringed flowers of many beautiful colors and shades . .40 .10 Mixed. The ordinary variety . .20 .05 Double Flowering. Mixed colors . .50 .10

MINOR, OR DWARF VARIETIES

COREOPSIS (See Calliopsis) CORNFLOWER (See Centaurea)



Japanese Imperial Morning Glory (Convolvulus)



COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting. Any garden soil will grow Cosmos to perfection.

DOUBLE EARLY FLOWERING COSMOS

This new early flowering strain will begin blooming in July and continue until frost. The flowers are full, round and double.

					. Pkt.
Double	Early	Flowering,	Crimson\$	0.85	\$0.25
66	66	"	Pink	.85	.25
"	"	4.6	White	.85	.25
"	"	4.6	Mixed	.75	.25

DOUBLE LATE FLOWERING COSMOS

Larg	ge pkt	. Pkt.
Double Eureka Pink. The flowers are full, round,		
double and very fine\$	0.75	\$0.25
Double Snowball. White	.75	.25
Double Crested Pink Beauty. A large percentage		
of the flowers have double crowns, giving them an		
attractive appearance	.60	.15
Double Crested White Queen. Pure white	.60	.15
Double Crested Mixed	.60	.15

GIANT LATE FLOWERING COSMOS

Large flowers of perfect form, on long stems and lasting until frost; 5 to 6 feet.

,	Oz.	Pkt.	Pkt.	
Giant Crimson	\$0.50	\$0.25	\$0.10	
" Pink	.50	.25	.10	
" White		.25	.10	
" Mixed	.40	.25	.10	
" Fancy Varieties. Mixed colors		.30	.10	
" Crimson Ray. Large flowers with				
narrow, fluted crimson petals, separated				
in star-like form		.25	.10	
Giant Lady Lenox. Flowers are of immense				
size, with wide overlapping petals, making a				
perfectly circular flower; shell pink	.50	.25	.10	
Giant White Lady. A selection from the	<u> </u>			
Lady Lenox described above; pure white	.50	.25	.10	
Klondyke. Large golden yellow flowers	1.50	.30	.10	

COSMOS—Continued

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

Large

	Oz.	Pkt.	Pkt.
Crimson\$(0.60	\$0.25	\$0.10
Pink			
White	.60	.25	.10
Mixed	50	25	10

COWSLIP (See Primula Veris)

CUPHEA (Cigar Plant)

Platycentra.						
flower is shap	ed like a hollo	ow cigar;	color, sc	arlet	\mathbf{P} kt.	Pkt.
with a black	and white tip	; 1 foot.			. \$0.60	\$0 .10

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

100 See	
Bright Red\$2.50	\$0.50
Dark Blood Red	.50
Glory of Wandsbek. Salmon red	.50
Perle of Zehlendorf. Salmon pink 2.50	.50
Pure White	.50
Rose of Marienthal. Bright pink 2.50	.50
White with Carmine Eye	.50
Mixed. All colors	.40

CYPERUS (Umbrella Plant)

Large pkt. Pkt. Alternifolius. An elegant plant for growing in water or damp places; useful as a pot plant......\$0.50 \$0.10

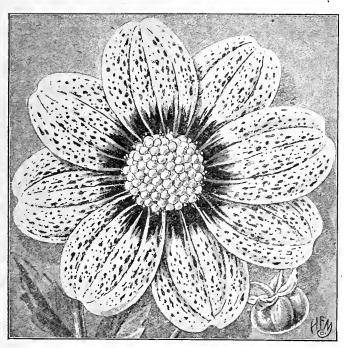
MICHELLS FLOWER SEEDS 518 PHILA

CYPRESS VINE (Ipomoea Quamoclit)

A very graceful twining annual climber, with very delicate fern-like foliage; it is of rapid growth, and a beautiful vine for trellises, verandas, etc. Seed should be soaked for a few hours in warm water before sowing; 15 feet.

Large

		Laige	
	Oz.	Pkt.	Pkt.
Scarlet	\$0.50	\$0.25	\$0.10
White	.50	.25	.10
Mixed	40	.25	.10



Dahlia, Giant Perfection. (Large pkt., 30c.)

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May, and the young plants should not be set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

Large pkt. Pkt.

Cactus. Choice mixed, from the best varieties....\$0.60 \$0.10

Large Flowering (Show Type). Mixed; extra fine.....50 .10

SINGLE FLOWERING VARIETIES

Collarette. Flowers of various colors, with a collar of small petals around the centre; novel and beautiful	.40	.10
Giant Perfection. Immense single flowers of various colors; many beautifully striped and spotted	.30	.10

DAISY, ENGLISH DOUBLE (Bellis Perennis) These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches. Large pkt. Pkt. Longfellow. Large double pink flowers\$0.60 Monstrosa, Pink. These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers.. .25Monstrosa, White..... .75.25Monstrosa, Mixed..... .25 .75Snowball. Purest white; large and double...... .60 .10 Double Mixed. Extra fine..... .10

TESTIMONIALS

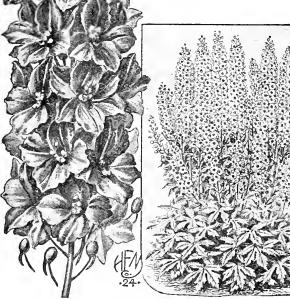
Orangeburg, S. C.

Allow us to say, that we consider it a pleasure to deal with you, as everything we ever received from you has been absolutely satisfactory.

J. C. K.

Atlantic City, N. J.
I want to add we had the greatest success with everything you sent us last year.

J. M. V.



Delphinium, Belladonna

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

Large pkt. Pkt. Belladonna. One of the most continuous blooming

Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue, which cannot be excelled for beauty; 5 feet\$0.60 \$0.25 Bellamosum. A rich, deep blue form of the popular .25 .30 .10 Chinense Grandiflorum Album. Pure white .10 flowers. ...oz., \$1.25 Elatum (Bee Larkspur). Rich blue; 4 feet. oz., \$1.50 .10.10 Gold Medal Hybrids. Produces long spikes of large flowers. An extra fine strain containing many shades of blue..... .60 .10 Blue Butterfly. An annual variety of an exquisite .15 deep blue..... oz., \$2.25 .50

DIDISCUS

For Annual Larkspur, see page 31.

Coeruleus (Blue Lace Flower). An easily grown annual which is becoming very popular; the plant grows about 18 inches high and produces attractive, umbel-shaped flowers of lace-like appearance; the color is a delicate azure blue; blooms from July until frost; excellent for cutting. It is also desirable as a pot plant for winter blooming in greenhouse or conservatory. Per pkt., 15c.; 60c. per large pkt.



Dianthus—Annual Pinks

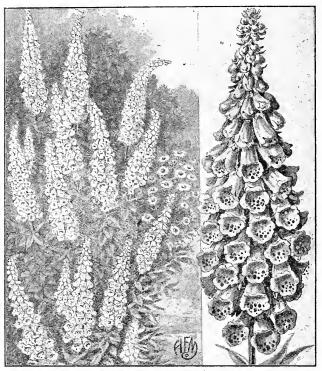
DIANTHUS (Pinks)

A most satisfactory class of flowers, easily raised from seed; are in constant bloom the entire season; excellent for cutting.

DOUBLE ANNUAL SORTS Larg	e pkt	Pkt.
China or Indian Pink. All colors mixed. oz., 60c. \$		\$0.10
Fireball. Fiery scarlet	.40	.10
Fringed. Large flowers; mixed oz., \$1.00		
Japan Pink. Choice mixed oz., 75c.	.25	.10
White. Large fringed flowersoz., \$1.50	.40	.10
SINGLE ANNUAL SORTS Japan Pink. All colors. Mixedoz., 75c.		.10
Imported Collection. 6 varieties		.40
HARDY GARDEN PINKS		

HARDY GARDEN PINKS	
Elegant summer flowering border plants, producing a	wealth
of deliciously fragrant flowers. Large pl	kt. Pkt.
Clove Scented. Double and semi-double varieties, in	
beautiful colors; fragrant \$0.50	\$0.10
Double Scotch. Choice colors	.15
Erfurt. Dwarf; compact; early; mixed colors	.10
Latifolius Atrococcineus Fl. Pl. (Everblooming	
Hybrid Sweet William). Free flowering; velvety	
crimson scarlet; double	.10
Pheasant's Eye. Single fringed flowers; mixed	
colorsoz., 75c25	.10
DICE A BEBLEIC	
DICTAMNUS (Gas Plant)	
Fraxinella. Showy, bushy plants, 2½ feet high;	
purple red flowers; June and July	.10

.10



Digitalis (Foxglove) Gloxiniaeflora

DIGITALIS (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

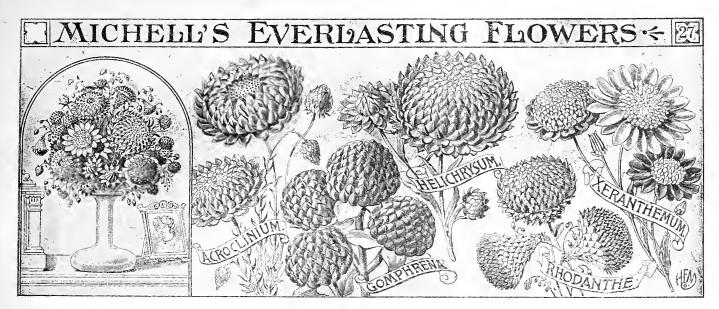
•		Oz.	Pkt.	Pkt.
Gloxiniaeflor	a, Pink	\$1.00	\$0.30	\$0.10
6.6	Purple	1.00	.30	.10
6.5	White	1.00	.30	.10
6.6	Mixed	75	.25	.10
Grandiflora.	Yellow	.90	.30	.10



Dimorphotheca Aurantiaca

DIMORPHOTHECA Large pkt. Pkt.

yellow, orange, rose, etc. .10



Everlastings should be grown in every garden, not only for summer blooming, but also as cut flowers for winter decoration. The flowers should be picked before they expand and hung, with the tops downward, to dry for winter bouquets.

ACRUCLINIUM (Everlasting Flower)			
Showy, free-flowering annual plants; excellent for cutting.			
1 foot. Large pkt. Pkt.			
Double Rose Pink \$0.25 \$0.10			
Double White			
Double Mixed			
GOMPHRENA (Globe Amaranth)			

Also called "Bachelor's Buttons;" a showy annual everlasting; flowers resemble clover heads and when dried are useful for winter bouquets; fine for bedding.

Large
Oz. Pkt. Pkt.

RHODANTHE (Everlasting Flower)

HELICHRYSUM (Strawflower)

XERANTHEMUM (Everlasting Flower)

Large pkt. Pkt.

Double Mixed. Showing hardy annual of easy culture producing a profusion of flowers; excellent for winter bouquets......\$0.25 \$0.10

DOLICHOS (Hyacinth Bean)

Rapid growing annual climber, bearing a profusion of	i bean-
like flowers; excellent for arbors, trellises, etc. Oz.	Pkt.
Darkness. A variety from Japan; rapid grower;	
flowers reddish violet	\$0.10
Daylight. Identical to the above except in color	
which is pure white	.10
Choice Mixed	.10
DDACAENA	

DRACAENAOrnamental plants for vases or conservatory decoration.

 Large pkt.
 Pkt.

 Australis.
 Broad green leaves
 \$0.25
 \$0.10

 Indivisa.
 Narrow green leaves
 oz., 50c.
 .25
 .10

ECHINOCYSTIS (Wild Cucumber Vine)

Lobata. One of the quickest growing vines; excellent for covering trellises, fences, etc.....oz., 30c.

ESCHSCHOLTZIA (California Poppy)



Eschscholtzia (California Poppy)

FLOWER SEEDS

.10

EULALIA (Ornamental Grass). See Page 29. **EUPATORIUM**

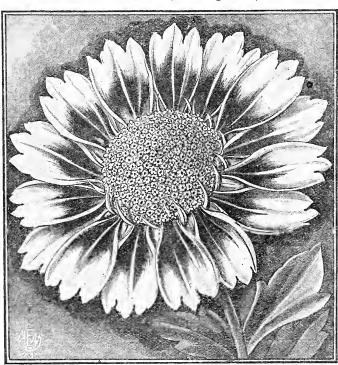
A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; Large pkt. Pkt. \$0.25 \$0.10 excellent for cutting; 2 feet. Fraseri. Feathery white flowers.....

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet. Lar Heterophylla (Mexican Fire Plant). Glossy green Large pkt. Pkt. leaves, turning to orange scarlet in mid-season... \$0.30 \$0.10 Variegated (Snow on the Mountain). Foliage veined .10 Adiantum (Maiden Hair). Mixed...... 1.00 .15.15.15

bedding or pot culture; showy double white flowers; 18 inches......oz., 60c. FORGET-ME-NOT. (See Myosotis) FOUR O'CLOCK. (See Marvel of Peru) FOXGLOVE. (See Digitalis)

Double White. Hardy annual; free flowering; for



Gaillardia, Grandislora Superba

GAILLARDIA (Blanket Flower) **ANNUAL VARIETIES**

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

Large pkt. Pkt. Picta Lorenziana. Double mixed....oz., 60c. \$0.25 \$0.10 Picta Mixed. Single flowers in all colors..oz., 60c.

PERENNIAL VARIETIES One of the most brilliant of hardy perennials; blooming the first year from seed if sown early; 2 feet. Large pk Grandiflora Dazzler (New). A splendid novelty. For illustration and full description, see page 9.... \$0.60 Large pkt. Pkt. \$0.25 Grandiflora Compacta. A compact variety; choice mixed colors; 12 to 15 inches...... Grandiflora Sanguinea. Blood red flowers..... .30 .10 Grandiflora Semi-Double. Mixed..... Grandiflora Superba. Mixed colors....oz., 90c. .10

GENTIANA (Blue Gentian)

Large pkt. Pkt. GERANIUM 100 Seeds Pkt.

Apple Scented. Highly esteemed on account of its Large pkt. Pkt. Zonale Mixed. A superb strain of the largest and finest varieties; 1 to 2 feet.................................\$0.60 \$0.10

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisylike flowers; splendid for pot plants or cutting. 100 Seeds Pkt. Jamesoni Hybrida. These hybrids include a wonderful range of brilliant colors and shades.....\$1.00 \$0.25

GEUM Large pkt. Pkt. Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; \$0.10

GLOXINIA

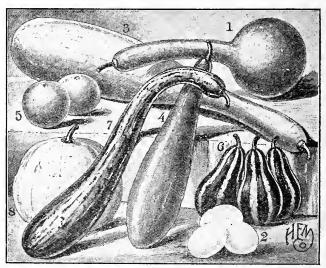
Hybrida Grandiflora. An extra fine strain, embracing all the choicest self-colored and tigered and .25

GODETIA (Satin Flower)

Beautiful and easily grown hardy annuals, producing a profusion of flowers of satiny texture. Large pkt. Pkt. Duchess of Albany. Pure white, of compact growth \$0.25 \$0.10 .10 .10 .10 Choice Mixed. All colors.....

GOMPHRENA (Globe Amaranth)

See Everlastings, page 27.



Ornamental Gourds

GOURD (Ornamental)	Large	
Oz.	Pkt.	Pkt.
Calabash or Dipper. No. 1\$0.40	\$0.25	\$0.10
Egg-Shaped. White like an egg. No. 240	.25	.10
Hercules Club. Club-shaped. No. 340	.25	.10
Luffa (Dish Rag or Bonnet Gourd). No. 440	.25	.10
Orange-Shaped (Mock Orange). No. 540	.25	.10
Pear-Shaped. Striped. No. 6	.25	.10
Sugar Trough. Used as water holder. No. 840	.25	.10
Mixed. In a great variety	.25	.10

See Page 29 GYNERIUM (Ornamental Grass)



Pennisctum, Ruppelianum (Ornamental Grass)

GRASSES (Ornamental)

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured.

ARUNDO (Great Reed) Large pkt. Pkt. Donax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet ... \$0.25 \$0.10 **AVENA (Animated Oats)** Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches10 BRIZA (Quaking Grass) Maxima. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot...... .25 .10 **BROMUS** Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual10 COIX LACHRYMAE (Job's Tears) A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet...oz., 25c. **EULALIA** A hardy perennial variety, with long graceful leaves; green and white striped; 4 to 5 feet **GYNERIUM** (Pampas Grass) Argenteum. White silvery plumes; perennial; blooms the second season; 8 to 10 feet........... .25.10 HORDEUM JUBATUM (Squirrel Tail Grass) Bushy panicles; excellent for bouquets; annual; 3 feet .25.10 PENNISETUM Longistylum. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual...... Ruppelianum (Purple Fountain Grass). Excellent for

One packet each of the above 11 varieties of Ornamental Grasses for 75 cents.

STIPA PENNATA (Feather Grass)

beds or for dried bouquets; purple plumes; 3 feet;

Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet

.25

.25

.10

.10

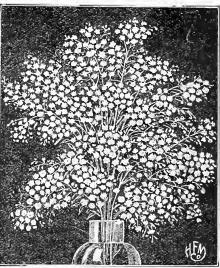
.10

GREVILLEA (Silk Oak)

Robusta. A beautiful and gracedecorative plant with fern-like foliage; excellent for table decoration; easily raised from seed. Produces good sized plants in a short time. Pkt., 10c.; 30c. per large pkt.; oz., 90c.

GYPSOPHILA Baby's Breath

Pretty, freeflowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.



Gypsophila Paniculata Fl. Pl.

Oz. L Elegans Alba Grandiflora. A hardy annual variety; delicate sprays of pure white	arge pk	t. Pkt.
flowers		\$0.10 .10
in graceful sprays of white; will bloom the first season if sown early	\$0.25	.10
of double white flowers	.75	.20

HELENIUM (Sneeze-Wort)

Autumnale Superbum. Hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn, 5 to 6 feet......

> HELIANTHUS (See Sunflower) HELICHRYSUM (Strawflower) See Everlastings, page 27.

HELIOPSIS (Orange Sunflower)

Large pkt. Pkt. Pitcheriana. A handsome hardy perennial, producing an abundance of deep orange-yellow flowers the entire summer; excellent for cutting; 3 to 4 feet \$0.25 \$0.10

HELIOTROPE

A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May; excellent for pots, or for bedding; 18 inches.

Large pkt. Pkt.

Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors. ..\$0.50 \$0.15 Regal. Of dwarf compact growth; immense flowers; all shades..... .15Choice Mixed. Of many varieties..... .10

HEUCHERA (Alum Root)

Sanguinea. Hardy perennial; spikes of vivid crim-.10

HIBISCUS (Marshmallow)

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers. Large pkt. Pkt.

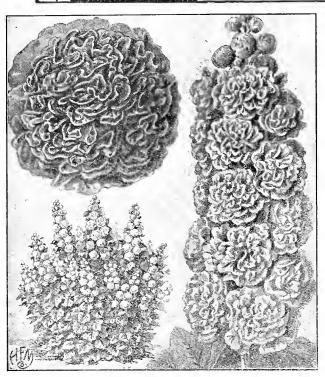
Crimson Eye. Flowers large; color, pure white with velvety crimson centre, 4 feet.....\$0.30 \$0.10 Golden Bowl. Giant yellow, maroon centre.

Moscheutos. Large, rosy pink flowers.

New Giant (Mallow Marvel). A greatly improved form; gigantic single flowers; many shades of red, .10

.30 .15pink, purple and white in mixture.....

.10



Hollyhock, Chater's Double

HOLLYHOCK

A popular and desirable hardy perennial plant, succeeding best in rich, well-drained soil; excellent for planting among shrubbery or forming a background for other flowers; seed sown any time before midsummer will produce fine plants for blooming the following summer; 6 to 7 feet.

Large Exquisite Double Fringed (New). Splendid Oz.

Pkt. Pkt. mixed; for full description, see page 9.... Allegheny. Semi-double; mammoth flowers, \$0.60 \$0.25 edges fringed and laciniated; mixed \$1.25 Chater's Double Maroon 1.50
Chater's Double Pink 1.50
Chater's Double Red 1.50
Chater's Double Salmon 1.50
Chater's Double White 1.50
Chater's Double White 1.50
Chater's Double Yellow 1.50
Chater's Double Mixed 1.25
Collection, one packet each of above 6 colors
Single Mixed 75 .40 .10 .10 .40 .10 .10 .40.40 .10.40.10 .10 .50

ANNUAL EVERBLOOMING HOLLYHOCK

Single Mixed.....

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season. Double Ever-blooming Mixed. Colors range from white to deep black, yellow, pink, red Large pkt. Pkt. Single Ever-blooming Mixed02., \$1.50 \$0.40 . \$0.15 .30

HONESTY (Lunaria) Large pkt. Pkt. Biennis Alba. Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; beautiful and curious, 2 feet\$0.25 \$0.10

HORDEUM (Ornamental Grass) See page 29. HUMULUS (Japanese Hop) A rapid growing annual climber with luxuriant foliage; excellent for covering verandas, trellises, etc.

Japonicus. The foliage resembles that of the Oz. Large Pkt. Pkt. common Hop; is very dense, and of a lively\$0.50 \$0.25 \$0.10 .25 .10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

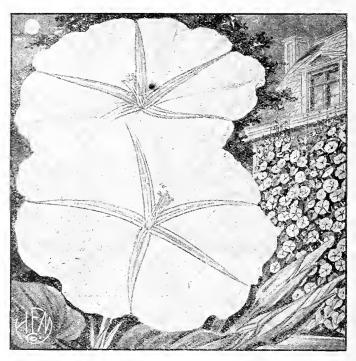
Large pkt. Pkt. Fumariaefolia. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July, continuing for the balance of the season; the foliage resembles Eschscholtzia; height,

HYACINTH BEAN (See Dolichos) IBERIS (See Candytuft)

ICE PLANT (See Mesembryanthemum)

IMPATIENS (Sultan's Balsam)

A charming plant for house and conservatory decorations, flowering profusely and almost continuously. Lar Holstii. Resembles Impatiens Sultani in leaf and Large pkt. Pkt. shape of bloom, but flowers are larger; color, ver-...\$0.60 \$0.20 milion red.... Sultani. Bright rose Sultani Hybrida. Colors range from pale pink to .60 .15



Ipomoea (Moon Flower). (Large pkt. 25e.)

IPOMOEA		
Heavenly Blue (Rubra Coerulea). Beautiful, large,	ge.pkt	. Pkt.
sky-blue flowers	30.30	\$0.10
large, pure white fragrant flowers oz., 50c. Quamoclit Hybrida (Cardinal Climber). Fiery car-	.25	.10
dinal red Setosa (Brazilian Morning Glory). Large leaves and	.60	.15
bright rose-colored flowers	$.25 \\ .25$.10 .10
IRIS (Flowering Flag) Kaempferi (Japanese Iris). Hardy perennial; very showy; blooms the second year from seed; mixed colors; 3 feet	.30	.10
JOB'S TEARS (See Grasses, Page 2	29)	
KENILWORTH IVY (Linaria Cymil A charming, neat trailing plant, for baskets, vases,		ia)
pots and rock work; flowers violet	.60	.10

.35

KOCHIA (Summer Cypress or Mexican Fire Bush)

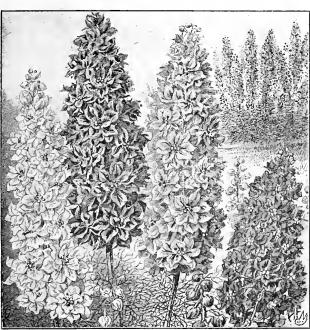
Large pkt. Pkt. Childsii. An improved strain; easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet

oz., 40c.\$0.25 \$0.10

KUDZU VINE. See Pueraria LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

	Large pkt	t. Pkt.
Dwarf Mixed.	10 inches high; all colors\$0.25	\$0.10
Choice Mixed.	2 to 3 feet high	.10



Larkspur, Double Tall Stock Flowered

LARKSPUR (Annual)

Of easy culture; seed sown early in spring will produce blooming plants by July; fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

DWARF DOUBLE ROCKET Mixed. A compact bushy plant with several Oz. spikes of double flowers; height, 1 foot\$0.40 Pkt. Pkt. .\$0.40 \$0.25 \$0.10 GIANT HYACINTH FLOWERED

The flowers are large, very double and borne on spikes resembling a double Hyacinth; 1½ feet. Large Pkt. Pkt. \$0.25 \$0.10

\$0.75Mixed Colors.. TALL DOUBLE STOCK FLOWERED Plants branch freely, bearing long spikes of beautiful double

nowers; neight, 2½ feet.		Large		
110 (1012) 1101g111, 1/2 11111	Oz.	Pkt.	\mathbf{P} kt.	
Dark Blue	. \$0.75	\$0.25	\$0.10	
Lilac		.25	.10	
Lustrous Carmine	75	.25	.10	
Shell Pink	.75	.25	.10	
Sky Blue	75	.25	.10	
White	75	.25	.10	
Mixed. All colors		.25	.10	
Collection, one packet each of the above 6	colors,	50c.		
Exquisite (New). An extra fine variety	of thi	is		
popular annual; color, soft pink		40	.25	
For Perennial Larkspur, see Delphinium, page 25.				
LAVENDER (Lavendul	a Vera	a)		

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed .10

border; 18 inches.....oz., 90c.

LATHYRUS LATIFOLIUS (Everlasting or Perennial Pea)

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting; 6 to 8 feet.

		Oz. La	arge pkt	. Pkt.
Crimson.	Brilliant	\$1.25	\$0.30	\$0.10
Pink Beaut	y. Bright rosy-pink	. 1.25	.30	.10
White	·	. 1.25		.10
Choice Mix	ed. All colors	75	.25	.10

LEPTOSYNE

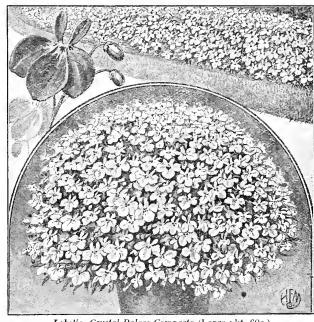
	wers, borne on lo	ong stems; ex	_	4.0
cellent for cutting	g; 2 feet LINARI		50	.10

Macedonica Speciosa "Nymph." Hardy perennial, blooming the first year if sown early; flowers cream color, with orange yellow spot on lower lip.....

LINARIA CYMBALARIA (See Kenilworth Ivy)

LINUM (Scarlet Flax)

Grandiflorum Rubrum. Ideal for bedding; dwarf and compact, with light green foliage and bright .25 .10 scarlet flowers; annual; 1 foot.... ... oz., 40c.



Lobelia, Crystal Palace Compacta (Large pkt. 60c.)

LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc. also desirable for pots, nanging baseless, Barnard's Perpetual. Deep blue with white eye; Large pkt. Pkt. trailing; an excellent sort.

Crystal Palace Compacta. Very compact; deep blue; the best for edging

Crystal Palace Speciosa. Of trailing habit; deep .10 .10 ultramarine blue; fine for vases Emperor William. Flowers sky blue; plants compact .10 .25.10 growth; the flowers are unusually large; color, deep .10 White Gem. Mixed. All colors ardinalis (Cardinal Flower). Hardy perennial, with long spikes of cardinal red flowers. These are Cardinalis (Cardinal Flower). one of the few flowering plants that thrive in shady .75 .10 situations....



Lupinus

LUPINUS (Lupin) ANNUAL VARIETIES

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers for most of their length; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

Large

_	Oz.	Pkt.	Pkt.
Rich Blue	.\$0.40	\$0.25	\$0.10
Pink		.25	.10
Scarlet, White Tipped	40	.25	.10
Sky Blue	.40	.25	.10
White	40	.25	.10
Yellow	60	.25	.10
Mixed. All Colors	40	.25	.10

PERENNIAL VARIETIES

A beautiful perennial of easy culti	
of pea-shaped flowers; excellent for c	cutting; May and June;
2 to 3 feet.	· Large pkt. Pkt.
Polyphyllus Blue	
Polyphyllus Roseus. Pink	
Polyphyllus White	
Polyphyllus Mixed	oz., 40c25 .10

LYCHNIS

One of the finest hardy perennials; remarkable for the brilliancy of their flowers; of easy culture; excellent for massing in large beds or borders.

Chalcedonica (Rose Campion). Fine scarlet cross-

MATTHIOLA

MAURANDIA



Marigold

MARIGOLD (Tagetes)

These are old favorite free flowering annuals, with rich and showy flowers, blooming all summer. The Tall African varieties are well adapted for large beds or mixed borders, while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

Tall growth, from $2\frac{1}{2}$ to 3 feet high.	Large pl	kt. Pkt.
El Dorado. All shades of yellowoz.,	75c.\$0.2 5	\$0.10
Lemon Queen. Soft lemon yellow oz., 9	90c25	.10
Orange Beauty. Large single flowers, the petal	\mathbf{s} of	
which are beautifully frilled	0c25	.10
Orange Prince. Large flowers, of a deep gold	den	
orange color; very showyoz., 9		.10
Pride of the Garden. Dense bushes, 18 inches hi	gh;	
large, golden yellow flowersoz.,	75c25	.10
Large African. Tall double mixed oz.,	50c25	.10
Imported Collection, 6 Varieties		.40
FRENCH VARIETIES		
Dwarf Gold Striped. Double; brownish red, strip	her	
golden yellow; 1 foot		.10
Legion of Honor (Little Brownie). Single now		
Legion of Honor (Little Brownie). Single flower golden yellow with a large spot of crimson yellow	ers;	,_,
golden yellow with a large spot of crimson velv	ers; vet;	10
golden yellow with a large spot of crimson velve inches; early flowering	ers; vet; 50c25	.10
golden yellow with a large spot of crimson velves inches; early flowering	ers; ret; loc25 ble	
golden yellow with a large spot of crimson velve inches; early flowering	ers; vet; 50c25 ble 75c25	

MARVEL OF PERU (See Next Page) MATRICARIA. (See Feveriew)

Imported Collection, 6 Varieties.....

MESEMBRYANTHEMUM

.40



Marvel of Peru (Four O'clock)

MARVEL OF PERU (Four O'clock)

Oz. Pkt.

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet.......\$0.25 \$0.10



Valuable for cutting on account of its fragrance; sow in succession during the whole summer; can also be grown in pots for winter and early spring flowering. Lg. pkt. Pkt. Allen's Defiance.

12 to 15 inches; fragrant. oz., 60c.\$0.25 \$0.10 Bismarck. Compact plants of strong growth, with stout spikes of large flowers.

Spikes invariably attain a height of

oz., \$1.25 .10 Golden Machet Large golden yel-.25.10 low ...oz., 75c. Goliath. Giant spikes of red Goliath. flowers.oz., \$1.50 .40 .10 Machet. Large reddish tinted, sweet scented flowers oz., 75c. .25.10 Michell's Colossal.

Foliage, stalks and flowers are very robust. The flow er-spikes often average 18 to 24 inches; extremely fragrant. .75 .15

Mignonette, Michell's Colossal

MIMOSA (See Sensitive Plant)

MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials, blooming the first year if sown early. Large pkt. Pkt. Moschatus (Musk Plant). Fine for hanging baskets; yellow flowers; fragrant foliage; 6 inches \$0.60 \$0.10 Tigrinus (Monkey Flower). Fine mixed tigered and spotted varieties; 1 foot \$1.00 \$1.

MOMORDICA (See Balsam Apple)

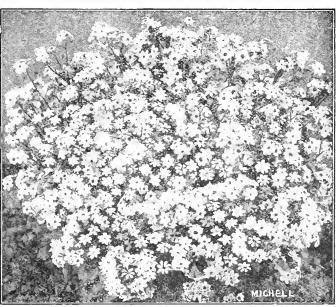
MOONFLOWER (See Ipomoea)

MORNING GLORY (See Convolvulus)

MOURNING BRIDE (See Scabiosa)

MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 35c.; 75c. per 25 seeds.



Myosotis-Alpestris Victoria

MYOSOTIS (Forget-Me-Not)

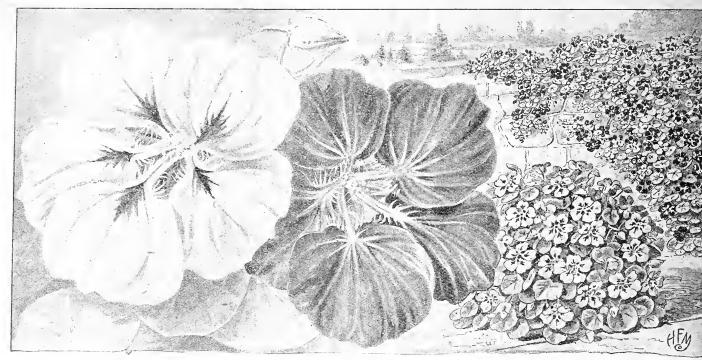
Beautiful, half hardy perennials, blooming the first year from seed; succeeding best in moist, shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering seed should be sown in frames in July or August.

Larg	ge pkt	. Pkt.
Alpestris Victoria. Of bushy habit; bearing large		
bright blue flowers; very fine; 6 inches\$	0.40	\$0.10
Dissitiflora. Of dwarf, compact habit; deep green		
foliage, and attractive deep blue flowers	.75	.10
Eliza Fanrobert. Of strong growth, with clusters of		
large, bright blue flowers; 10 inches	.40	.10
Grandiflora Alba. Large white flowers; 8 inches	.40	.10
Grandiflora Rosea. Large pink flowers; 8 inches	.40	.10
Michell's Winter Flowering. The finest variety for		
forcing; long stems, deep blue flowers	.75	.15
Palustris. The true Forget-Me-Not; bright blue		
flowers; 8 inches	.60	.10
Palustris Semperflorens. Dwarf; blooms the entire		
season; deep blue	.60	.10
Choice Mixedoz., 90c.	.25	.05

I have had such success with your seeds, that I would like your catalog for next year.

Ambler, Pa.

G. R.



Michell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

DWARF OR BEDDING (To Of dwarf, compact growth; excellent for			
ding, forming plants about 1 foot high by 1 foo			n bea
	1/4 lb.	Oz.	Pkt.
		\$0.20	\$0.05
Aurora. Rich yellow, veined carmine \$.20	.05
Beauty. Yellow, with scarlet veinings	.60		
Bronze. Burnished bronze color	.60	.20	.05
Chameleon. Produces various colors and			
markings on the same plant	.60	.20	.05
Cloth of Gold. Bright golden yellow leaves			
and brilliant scarlet flowers	.60	.20	.05
Crystal Palace Gem. Sulphur yellow, spot-			
ted maroon	.60	.20	.05
David Burpee Spencer. Compact plants			
with emerald green leaves, which are wavy			
and ruffled; flowers deep scarlet	.60	.20	.10
Empress of India. A splendid variety, with	•••		.10
dark leaves and crimson flowers	.60	.20	.05
Golden King. Dark foliage; rich, golden	.00	. 20	.00
Golden King. Dark lonage, rich, golden	.60	.20	.05
yellow flowers	.00	.20	.05
Golden Queen. Foliage and flowers golden	00	0.0	0 =
yellow	.60	.20	.05
King of Tom Thumbs. Dark green foliage;			
scarlet flowers	.60	.20	.05
King Theodore. Dark foliage; flowers crim-			
son maroon	.60	.20	.05
Lady Bird. Rich orange yellow, with a red			
blotch at the base of the petals	.60	.20	.05
Pearl. Creamy white	.60	.20	.05
Pink. Soft rose color	.60	.20	.05
Prince Henry. Cream, spotted and tipped red.	.60	.20	.05
Queen of Tom Thumbs, Crimson. Silver	.00		
variegated foliage and rich, bright crimson			
flowers	.60	.20	.10
	.60	.20	.05
Scarlet. Brilliant			
Spotted. Rich yellow, spotted crimson	.60	.20	.05
Vesuvius. Salmon pink; dark leaved	.60	.20	.05
Yellow. Bright shade	.60	.20	.05

Collection. One packet each 12 dwarf varieties 50c.

Ţ	4 lb.	Oz.	Pkt.
Choice Mixed, Dwarf. Comprising a large	_		
variety of brilliant colors. Lb., \$1.25\$	0.45	\$0.15	\$0.05
Ivy Leaved Mixed. Ivy-like, deep green foli-			
age; flowers beautifully fringed and of a			
remarkable range of colors	.60	.20	.10
Liliput Mixed. A fine variety of very dwarf			
and compact growth, and producing in the			-
greatest profusion flowers of many new and			
beautiful colors	.75	.20	.05
Michell's Giant Flowering Mixed Dwarf.			
This is one of the finest mixtures, composed			
of the largest and best named varieties, and			
cannot be surpassed for brilliancy of color.			
Per lb., \$2.00	.60	.25	.10
Queen of Tom Thumbs, Mixed. Silver			
variegated foliage; flowers in a great vari-			
ety of colors	.75	.20	.10

LOBB'S CLIMBING NASTURTIUMS (Tropaeolum Lobbianum)

These are exceedingly free flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries; also for greenhouses or conservatory during the winter: 8 to 10 feet.

v			Oz.	Pkt
Choice Mixed.	Lobb's varieties, all colors	s.		
Por lb \$1.25	· ·	90 50	QO 15	\$0 02

For Tall or Climbing Nasturtiums, see next page.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains valuable information on things floricultural, horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers." A post card will do.

MICHES FLOWER SEEDS

MICHELL'S GIANT FLOWERING NASTURTIUMS—Continued

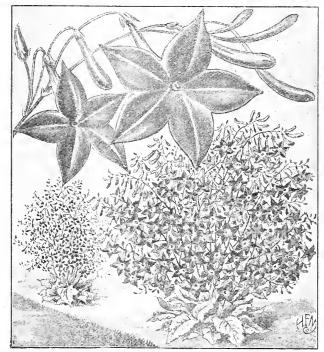
TALL OR CLIMBING

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet. 1/4 lb. Oz. Pkt. Chameleon. Produces different colored flowers on the same plant\$0.50 \$0.15 \$0.05 Crimson. Rich and velvety15 .05 Hemisphaericum. Orange-salmon and scarlet..... .15.05Jupiter. Color, pure deep yellow, with crinkled petals; of immense size50.15 .05King Theodore. Dark foliage; flowers crim-Orange. A deep shade.
Pearl. Creamy white.
Pinks Soft rose color.
Prince Henry. Cream, spotted and tipped red
Scarlet. Very bright. .50 .05 .15 .50 .15 .05 .05 .50.15 .50 .15 .05 .50 .15 .05 Vesuvius. Salmon pink50 .05.05 Choice Mixed, Tall or Climbing. Lb., \$1.25 .05 Hybrids of Mad. Gunther. A special strain; all shades and colors. Per lb., \$1.50..... .20 .05 Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed...... .20 .10 Michell's Giant Flowering Mixed Tall. This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$2.00. .25 .10 Collection. One packet each, 12 varieties, 50c.

NEMESIA

Large pkt. Pkt. Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches. \$0.60 \$0.15





Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are Affinis. Fragrant, tubular, pure white flowers\$0.25 \$0.10 Affinis Hybrida. Large, sweet-scented flowers.... colors range through creamy white and rose tints to bright red and crimson in mixture. .10 Sanderae. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant..... .10

NIEREMBERGIA

Large pkt. Pkt. Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases or bedding out; flowers white, tinted with lilac; 1 foot \$0.30 \$0.10

NIGELLA (Love in a Mist)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

Large pkt. Pkt. Damascena. Blue and white mixed; double; 1 foot \$0.25 \$0.10 Miss Jekyll. A lovely variety, with long stems, and bearing a profusion of beautiful double flowers of a clear cornflower blue; excellent for cutting; 18 .10

ORNAMENTAL GRASSES (See page 29) PAPAVER (See Poppy)

PARIS DAISY (See Chrysanthemum) PELARGONIUM (See Geranium)

PENNISETUM (Ornamental Grass). (See page 29.)

Testimonial

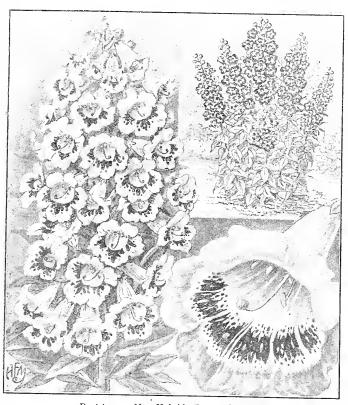
Rockland, Me. Please find enclosed check for -, for which please send me the following seeds. The seeds I have got from you this year came up in fine shape. I have bought seeds for 35 years, and I will say your seeds are the best I ever bought. is are the west. Yours respectfully, E. A. D.

MICHELL'S GIANT PANSIES

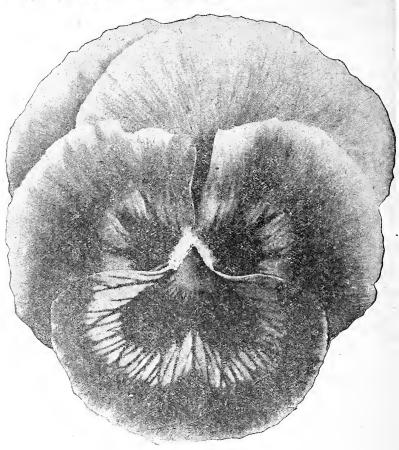
Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

PANSIES IN MIXTIRES

PANSIES IN MIALUKI	L3	
Large	pkt.	Pkt.
Michell's Giant Exhibition. A blending		
of our own containing only the very		
choicest secured from the leading Pansy		
specialists; it can be relied upon to pro-		
duce flowers of immense size, very heavy		
texture and of the most brilliant colors.		
Per oz., \$10.00; \$3.00 per ½ oz.; per		
½ oz., \$1.75\$	0.75	\$0.25
	0.10	ψ0.20
Giant Trimardeau. Very large flower-		
ing; all colors, mixed $\frac{1}{4}$ oz., \$1.00	.50	.10
Mad. Perret. Early flowering; fragrant;		
especially rich in red shades, ¼ oz., \$1.25	.75	.25
	.10	.50
Masterpiece (Frilled Pansy). Beautiful		
rich colors; petals curled or waved, ½		
oz., \$1.00	.75	.25
Odier or Blotched. Beautiful strain, 1/4		
oz., \$1.25	.75	.15
		.10
Parisian Large Stained. Choicest colors,		
$\frac{1}{4}$ oz., \$1.25	.75	.15
Triumph of the Giants Mixed. Im-		
mense flowers of great brilliancy and		
richness of colors, including many new		
and rare shades. Per oz., \$11.00; \$3.25		
per $\frac{1}{4}$ oz.; per $\frac{1}{8}$ oz., \$2.00	85	.50
		_
Finest English Mixed oz., \$2.25	.40	.10



Pentstemon, New Hybrids (Large pkt. 50c.)



Michell's Glant Exhibition Pansy

GIANT PANSIES (Separate Colors)

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture. 1/4 Oz. Pkt. Giant Prize, Azure Blue. Violet blue....\$1.00 \$0.50 \$0.15 Giant Prize, Black Blue. Dark velvety. 1.00 <.15 Giant Prize. Emperor William. Ultra-.5Ò marine blue..... 1.00Giant Prize, Hortensia Red. Scarlet 1.00 .50 15، Giant Prize, King of the Blacks...... 1.00 .15 .50 Giant Prize, Lord Beaconsfield. Violet. 1.00 .50 .15Giant Prize, Peacock. Upper petals blue, lower petals deep claret with white margin. 1.00 .50.15 Giant Prize, Snow Queen. Pure white... 1.00 .50 .15 Giant Prize, Striped and Mottled...... 1.00 • .50 .15 Giant Prize, White, with dark eye 1.00 .50 .15 .50 .15 Giant Prize, Yellow, with dark eye..... 1.00 .15

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

Large pkt. Pkt.

Sensation. Plants producing large spikes of gloxinia-like for softhe most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection \$0.50

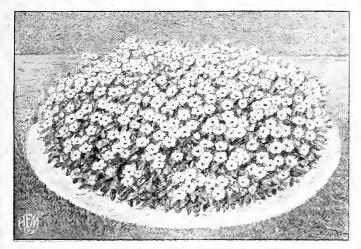
New Hybrids, Mixed. Produces large spikes of handsome flowers? 2 feet. handsome flowers; 3 feet.....

MICHELL'S PETUNIAS

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage. Seeds must be carefully handled, as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

SINGLE FLOWERED PETUNIAS

Larg	e pkt	. Pkt.
California Giants. One of the largest varieties; bright and desirable colors; strong robust plants\$	0.75	\$0.25
Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped and blotched	.50	.10
Grandiflora Fringed. Each petal of these giant flowers is delicately fringed, thus giving the flower a		00
distinct appearance; all colors, mixed	.75	.20
of which are elegantly fringed; the colorings, markings, veinings, etc., are superb	.85	.25



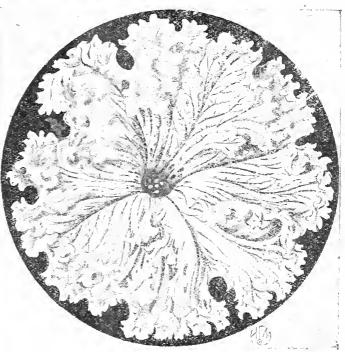
Petunia, Rosy Morn Larg	ge pkt	. Pkt.
Rosy Morn. Dwarf, bushy plants, bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture\$	0.50	\$0.15
Ruffled Giants. Immense size flowers, exquisitely ruffled and frilled at edges	.75	.25
Snowball. A fine, compact sort, producing a profusion of sating white flowers	.50	.10
Star (<i>Howard's</i>). A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star	.50	.15
Choice Mixed. Striped and blotchedoz., \$1.50	.40	.10
Fine Mixed. All colors	.25	.10
Imported Collection. Single fringed. 6 colors		.75
Ask for Cultural Leaflet No. 205 on the growing of	f Peti	unias.

PORTLAND PETUNIAS

A new strain of Petunias for veranda boxes, pot plants or for bedding. For illustration and full description see page 10.

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Practical Garden Pointers among other things gives cultural instructions on growing flowers from seed—FREE.

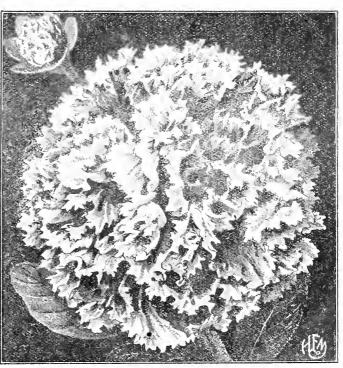


Petunia, Grandiflora, Fringed

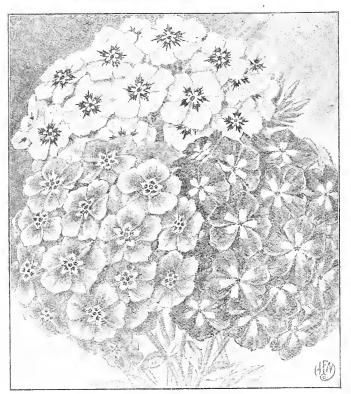
DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

Double Fringed Mixed. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and embraces a splendid variety of colors in many beautiful combinations. Per 500 seeds, \$1.50................\$0.50



Giant Flowering, Double Petunia



Phlox Drummondii, Grandiflora

PHLOX DRUMMONDII

One of our finest hardy annuals, and should occupy a prominent place in every garden; it is easy to grow and unequaled for its profusion of bloom, which will continue until frost; for bedding or massing nothing can surpass them for their brilliancy and richness of color. They produce immense trusses of large brilliant flowers of numberless hues.

DWARF OR COMPACT VARIETIESThe plants grow very symmetrical, in neat little bushes, 6 to 8 inches high, and are covered with flowers during the whole summer and fall. Excellent for bedding or edging.

	arge pkt	. PKU
Cecily, Mixed. Large flowering, dwarf compact		
variety, of many beautiful colors and shades		\$0.10
Fireball. Brilliant scarlet	40	.10
Pink	.40	.10
Snowball. Pure white	40	.10
Choice Mixed	c40	.10

GRANDIFLORA VARIETIES

An improved strain with large heads of bloom, as	
individual flowers; 12 to 15 inches. Lar	ge pkt. Pkt.
Alba. Pure white	
Coccinea. Brilliant scarlet	.40 .10
Pink	.40 .10
Stellata Splendens. Scarlet with white eye	4010
Choice Mixed. All colors	.40 .10
Imported Collection. 12 varieties	.75
imported consector.	.10

HARDY PHLOX

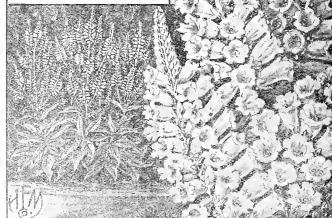
Decussata. For a gorgeous show these are the most satisfactory of all perennials; plants 2 to 3 feet high; flowers in all bright colors; seed should be sown early in spring or as soon as gathered in the .10

For plants of Hardy Phlox, see plant section.

See pages 7 to 11 for Novelties and Specialties in Flower Seeds.

PHYSOSTEGIA (False Dragon Head)

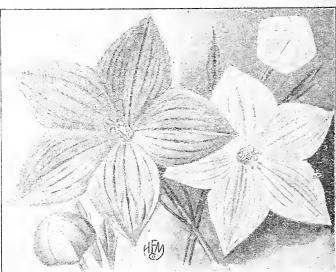
One of the most beautiful of our summer flowering peren-nial border plants; it forms dense bushes, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August. Virginica. Pink. Pkt., 10c.; 40c. per large pkt. Virginica Alba. White. Pkt., 10c.; 40c. per large pkt.



PINKS (See Carnations and Dianthus)

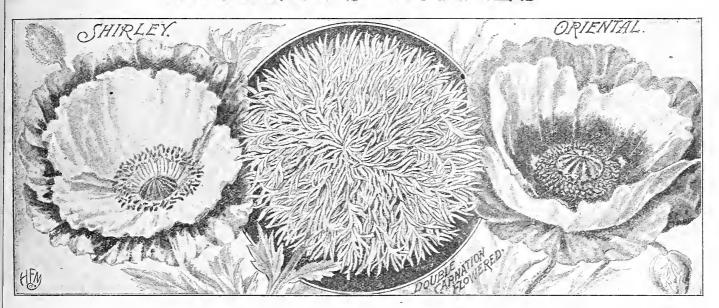
PLATYCODON (Chinese Bell Flower)

POLYANTHUS (Primula Elatior)
Beautiful spring-flowering hardy perennials, either for pot



Platycodon Grandiflorum

MICHELL'S POPPIES



One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown as early in the spring as possible, where they are to remain, as they do not stand transplanting. Sow very thinly and barely cover the seed, press down firmly and they will come up in a few days. Several sowings may be made at intervals to have a succession of bloom.

SINGLE ANNUAL POPPI	ES		
	Oz.	Large Pkt.	Pkt.
King Edward. A large flowering variety, growing about 2½ feet high; deep scarlet,	0.40	\$0,25	ΦΛ 1Λ
shaded crimson, with dark blotch at base \$	0.40	ф0.45	\$0.10
Michell's Shirley. An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect. If cut in the bud state and the stems put in water the flowers will open as well as on the	40	27	10
plant	.40	.25	.10
Miss Sherwood. Satiny white with upper half of corolla chamois rose	.40	.25	.10
Tulip (Papaver Glaucum). One of the most brilliant varieties; resembles a large tulip; color a dazzling scarlet; 1 foot	.60	.25	.10
shining black spot on each petal; 2 feet	.40	.25	
Collection. One packet each above 5 varieties			.40

FLANDERS POPPY

"In Flanders fields the poppies blow Between the crosses row on row."

This is the well known poppy of flanders field so often mentioned in songs and stories of the great war. Medium size bright scarlet flowers. Very showy when planted in masses. Pkt., 10c.; 30c. per large pkt.; oz., 75c.

AMERICAN LEGION POPPY

This new single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long, stout stems. The plants are of erect, robust growth and the flowers are good keepers when cut in bud. Pkt., 15c.; 40c. per large pkt.

Testimonial

Beverly, Mass.

We have been so pleased with everything you have sent us. The Strawflowers and Cosmos raised from your seeds were wonderful.

M.S. McG.

DOUBLE ANNUAL POPPIES

l			Large	
		Oz.	Pkt.	Pkt.
	Carnation Flowered. Flowers of large glo-			
	bular form with fringed petals; mixed	20.05		\$0.10
1	colors; 2 feet	50.20		\$0.10
į	Crimson King. A dwarf variety with perfectly round flowers	.40	\$0.25	.10
	Fairy Blush. Flowers white, elegantly	.40	φυ.Δυ	.10
l	fringed and tipped with rose; 2 feet	40	.25	.10
	Mikado (Striped Japanese). Double fringed	, 10	.20	.10
	flowers, white fringed and tipped with rose;			
l	18 inches	.40	.25	.10
	Paeony Flowered Scarlet. Large double			
	flowers resembling a Paeony; 2 feet	.40	.25	.10
i	Paeony Flowered White	.40	.25	.10
į	Paeony Flowered Yellow. Very fine	.40	.25	.10
i	Paeony Flowered Mixed.	.25		.10
	Improved Shirley, May Queen. A re-			
	selected strain; large double flowers; mixed		0.0	1.0
	colors		.30	.10
	Collection, one packet each, 6 colors, 50c.			

PERENNIAL POPPIES

For permanent beds these brilliant hardy poppies stand unrivaled; for general effectiveness and brilliancy of display.

Large pkt. Pkt.

Lar	ge pkt	t. Pkt.
Giant Scarlet (Bracteatum). Large flowers; 3 feet. \$	0.25	\$0.10
Iceland (Nudicaule). White. While these are hardy		
perennials, they flower the first year from spring		
sown seed. They are of graceful habit with fern-like		
foliage; the satin-like flowers are borne in endless		
profusion and are excellent for cutting; 12 inches	.40	.10
Iceland Yellow	.40	.10
Iceland Single Mixed. Colors range from white and		
yellow to deep orange scarlet (1/4 oz., 60c.).	.40	.10
Orientale. Extra large flowers; deep scarlet		
(½ oz., 40c.)	.30	.10
Orientale, Mrs. Perry. Rich salmon pink	.75	.10
Orientale, Hybrids. Flowers of large size; mixed		
colors (1/4 oz., 60c.)	.40	.10
(74)		

Testimonial.

Worcester, Mass.

The Monstrosus Petunias which I purchased from you were the best I ever grew, especially for pot culture.

Yours truly,

A. W. H.

Large pkt. Pkt.

.10



Portulaca, Single and Double

PORTULACA (Sun Plant)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

·	·		La	irge pki	t. Pkt.
Double Mixed.	All colors	$\frac{1}{4}$ oz.,	75c.	\$0.50	\$0.10
Single Mixed.					
Imported Colle	ction. 6 Doub	ole varieties			.50
Imported Colle	ction. 8 Singl	e varieties			.50

PRIMULA

FRINGED CHINESE PRIMROSE

These are among our finest winter and spring blooming pot plants for decorations in the home or conservatory. Our seed has been grown for us by a Primula Specialist, and cannot be excelled for size and brilliancy of colors. Our strains have won many first prizes.

T.	1	D1 /
Lar	ge pki	t. Pkt.
Alba Magnifica. Large pure white flowers\$		
Chiswick Red. Brilliant red	.85	.40
Duchess. Large; white with zone of rosy carmine,		
yellow eye	.85	.40
Holborn Blue. A beautiful shade	.85	.40
Kermesina Splendens. Crimson	.85	.40
Rosy Morn. Delicate pink	.85	.40
Michell's Prize Mixture. This mixture contains		
only the finest sorts selected from the best strains.	.85	.25
Imported Collection. 8 varieties		.75

PRIMULA OBCONICA

PRIMULA—Continued PRIMULA OBCONICA GRANDIFLORA

Fimbriata. Flowers fringed; mixed colors.....\$0.75 \$0.15

Vesuvius. Deep crimson	.75	.25
VARIOUS SORTS .		
Kewensis (Verbena Scented Yellow Primrose). Spikes each 12 to 18 inches long; color, soft yellow; very	.75	.25
fragrant	***	•
flowers are much larger; if grown in a greenhouse		
it will bloom in four to five months after sowing and continue for a long time; color, a pretty light	ъ.	
lilac	.75	.20
Malacoides Alba. Flowers pure white	.75	.20
Malacoides Alba Plena. A new variety with double	\	
white flowers		.75
Malacoides Superba. Deep rosy pink; large	*,	.40
HARDY PRIMROSES Excellent early spring blooming plants; hardy, the	ough ir	17 07 17
cold localities they should have slight protection.	ougn n.	rvery
Lar	ge pkt	. Pkt.
Veris (English Cowslip). This beautiful spring flow- ering dwarf hardy perennial bears clusters of fra-		
grant flowers of various colors; 6 in. high	60.60	\$0.10

PUERARIA THUNBERGIANA (Kudzu Vine)

One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms toward the end of August.

San Antonio, Texas.

All the seeds I received from you have given good results.

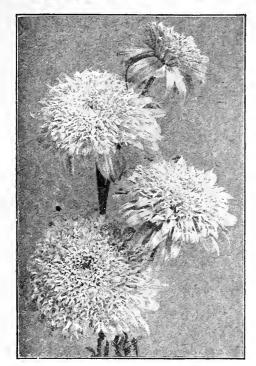
Primula Obconica raised from your seed has given in quantity and quality, brilliant results.

W. S.



Michell's Prize Chinese Primula





Pyrethrum, Double (Large pkt. 75c.)

PYRETHRUM FOLIAGE SORTS

Foliage plants used for edging of ornamental beds; leaves are finely cut. Large pkt. Pkt. Aureum (Golden Feather). Bright golden yellow

FLOWERING SORTS

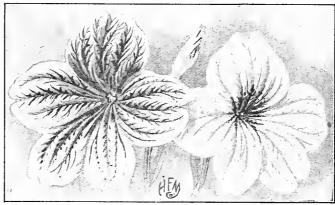
Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting. Large pkt. Pkt. Roseum. Flowers bright rose color; July; 2 feet . \$0.60 Uliginosum (Giant White Daisy). Large, single white 10 color from light pink to deep red, with bright yellow centres; July; 2 feet .10 Hybridum Double Mixed..... .25

RESEDA (See Mignonette) RHODANTHE (Everlasting Flower) (See page 27) RICINUS (Castor Oil Bean)

These ornamental plants are used with great effect on lawns, as centerpieces in flowering beds such as cannas, etc. Oz. Pkt. Red Spire (New). Bronzy-green and red foliage. For full description, see page 10

Borboniensis. Beautiful green foliage; 15 feet ...\$0.40 \$0.15 .10 Cambodgensis. Large leaves, dark bronzy-maroon; 5 feet10 Gibsoni. Deep red foliage; 5 feet Sanguineus. Blood-red stalks and clusters of red .10 .25 .10 .25 .10 from light green to purplish red; 12 feet...... Mixed. All sorts..... .10

RUDBECKIA (Coneflower) Large pkt. Pkt. Bicolor Superba. A free-flowering annual; produces a profusion of yellow flowers with brown disc in \$0.10 centre; 2 feet. Newmani. Large yellow flowers with black centre; perennial; very showy; 3 feet
Purpurea (Giant Purple Coneflower). Hardy peren-.10 nial; large, showy, reddish purple flowers, with dark brown disc; 3 feet..... .10



Salpiglossis

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants which have become great favorites, not only because of its easy culture, but mainly for its beautifully tinted and veined flowers; blooms from early summer until late fall; 18 inches. Large pkt. Pkt. Crimson and Gold... \$0.10 Primrose. Primose
Purple and Gold
Rose and Gold
Scarlet and Gold
White and Gold .50 .10 Choice Mixed. All colors Collection. One packet each above, 6 varieties Emperor Mixed. A new type, having only one main .50stem, and bearing on its summit a large number of .15 beautiful flowers, each one richly veined with gold...

MICHELL'S PRACTICAL GARDEN POINTERS

A publication we have compiled that contains valuable information on things floricultural, horticultural and agricultural. Ask for copy—FREE.

See pages 7 to 11 for valuable Novelties and Specialties in Flower Seeds.



Ricinus (Castor Oil Plant)



Salvia, Bonfire

SALVIA (Scarlet Sage)

The Salvia is among our most popular and useful bedding plants. There is nothing more effective in the mid-summer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May. Lorgo plet Diet

Lat	ge pa	U. I MU.
America or Globe of Fire. Of dwarf, bushy, com-	-	
pact growth, and very uniform in height and shape.		
A free and continuous bloomer; produces large		
spikes of brilliant scarlet flowers 1/4 oz., \$1.75 \$	0.75	\$0.25
Bonfire (Clara Bedman). Compact bushy plants, 2		
feet high, producing innumerable erect spikes of		
the most brilliant scarlet flowers 1/4 oz., \$1.00	.40	.10
Patens. Bright blue flowers of large size; excellent		
for the border or greenhouse; height, 2 feet	.50	.15
Splendens. The old favorite bedding variety; tall		
growing plants with bright scarlet flowers; height,		
3 feet	.40	.10
Zurich. One of the earliest flowering of all salvias;		
plants are of dwarf, bushy growth and produce an		
abundance of bright scarlet flowers from early July		
until frost; for bedding it is very effective, either		
planted alone or as a front row for the taller		
varieties; 18 inches	.50	.15
Farinacea. A perennial variety, but best treated as		
an annual, blooming from July to frost from spring		
sown seed; color, light-blue; 2 feet	.40	.10
, , , , , , , , , , , , , , , , , , , ,		

Ask for Cultural Leaflet No. 210 on the growing of Salvia.

SAPONARIA

Vaccaria. A profuse blooming annual with beautiful pink, feathery flowers; 3 feet.....

SCARLET RUNNER See Bean

. SENSITIVE PLANT (Mimosa)

Large pkt. Pkt. Pudica. Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches........\$0.25 \$0.10

SHAMROCK

Dainty little house plants, easily grown from seed. True Irish. Small leaved variety\$0.30 \$0.10

SHASTA DAISY. See Chrysanthemum



Scabiosa, Grandiflora

SCABIOSA (Mourning Bride)

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for

beds or borders in the garden and are invaluable for cutting. **GRANDIFLORA VARIETIES (Annuals)** Flowers large and very showy, on stalks fully 2 feet high. Large pkt. Pkt.

	O	
Azure Fairy. Clear lavender blue	80.25	\$0.10
Cherry Red	.25	.10
Crimson. Rich shade		.10
Flesh Pink. Delicate shade		.10
King of Blacks. Deep purple	.25	.10
	.25	.10
Rose. Soft rose color	.25	.10
White		.10
Collection. One packet each 6 colors		.50
Finest Mixed	.25	.10
Dwarf Double Mixed. Plants grow but 12 inches		
high; all colorsoz., 60c.	.25	.10
TIADDA DEDENINIAL MADIETTE		

HARDY PERENNIAL VARIETIES Handsome perennial border plants flowering the entire season.

	Large pl	kt. Pkt.
Caucasica. Soft blue; 3 feet	\$0.75	\$0.10
Caucasica Alba. Pure white		
Japonica. Lavender blue		.10

SCHIZANTHUS. See next page. **SMILAX**

A greenhouse climber of great value for floral decorations; foliage light green; very graceful; seed should be soaked 24 hours in warm water before

SNAPDRAGON. See Antirrhinum SOLANUM

Ornamental pot plants for winter decoration; of dwarf branching habit; dark green foliage; bears a profusion of bright Large pkt. Pkt. berries; 1 foot.

Capsicastrum (Jerusalem Cherry). Bright scarlet globular berries; 1 footoz., 75c. \$0.25 \$0.10 Cleveland Cherry. A grand acquisition to this

class of plants; grows more compact than the above and produces the scarlet berries in greater profusion .60

MICHELL'S "DISTINCTIVE" STOCKS

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

Large pkt. Pkt.	Large pkt. Pkt.
Blood Red\$0.50 \$0.15	Rose Pink \$0.50 \$0.15
Dark Blue	White
Flesh Pink	Mixed
Light Blue50 .15	

MICHELL'S EARLY FLOWERING "NICE" STOCK

An early flowering strain of branching habit; remarkably free bloomer; large, double fragrant flowers; fine for garden bedding or cutting; especially desirable for use as a pot-plant. For winter blooming, sow from July to September.

Large pkt. Pkt.

blooming, sow from sury to beptember.	Large	hvr.	T VC.
Abundance. Dwarf, spreading habit; carmine-ros			
Beauty of Nice. Charming delicate pink		.50	.15
Crimson King. Deep red			
La Brilliante. Rich brilliant crimson		.50	.15
Midsummer Night. Deep, dark violet		.50	.15
Monte Carlo. Canary yellow		.50	.15
Mont Blanc. Pure white		.50	.15
Old Rose (New). An extra fine variety		.50	.15
Queen Alexandra. Delicate lavender		.50	.15
Choice Mixed. All colors		.50	.15

LARGE FLOWERED DWARF TEN-WEEK STOCK

This is the leading variety for bedding out, for summer blooming: also fine for pots.

Large pkt. Pkt.
Purple \$0.40 \$0.10
White
Yellow
Mixed

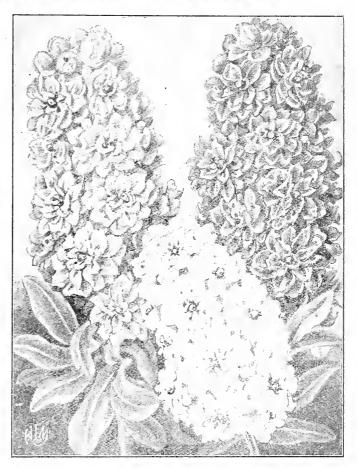
VARIOUS STOCKS Large pkt. Pkt.

Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for cutting.....\$0.50 \$0.10

Virginian Mixed. Free flowering annual...oz., 40c. .25 .10
Ask for Cultural Leaflet No. 211 on the growing of Stocks.



Statice, Sinuata



Stock, Michell's Flower Market

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

Large pkt. Pkt.

Garraway's Hybrids. A grand strain; flowers large;

handsome markings on a white, buff, rose, blue or purple ground	.75	\$0.25
Hybridus Grandiflorus. Forms compact pyramidal		
plants covered with flowers of many shades of		
orchid-like appearance; 12 inches	.30	.10
Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow		
centre to pink with brown centre; $1\frac{1}{2}$ feet	.50	.20
Mixed. Various colors	.25	.10

STATICE (Sea Lavender)

Splendid plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets; 2 feet.

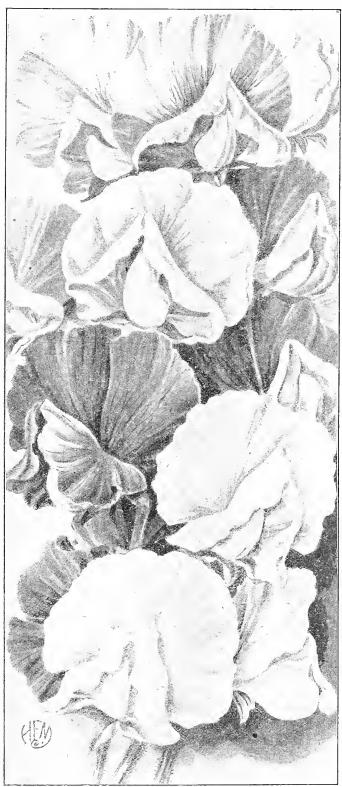
Large pkt. Pkt.

101		6 - I	
	Perennial; large deep-blue flowers		
Sinuata	Blue. Annual variety of above	30	.10
4.6	Lavender	30	.10
4.6	Rosea Superba	30	.10

STEVIA

> STIPA (Ornamental Grass) (See page 29) STOKESIA (See page 46) SUNFLOWER (See page 46)

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems. On account of their superiority over the Grandiflora sorts, we have discontinued listing the latter excepting in mixture.



Spencer or Orchid Sweet Peas

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

	/2 oz.	Oz.	¼ lb.	Lb.
Captain of the Blues Spencer. Standard purple; wings blue	80.25	\$0.40	\$1.25	\$4.00
finest varieties	.25	.40	1.25	4.00
Wedgwood. A lovely self-blue; a beautiful and popular color	.25	.40	1.25	4.00
DEEP PINK OR R	OSE			
Apple Blossom Spencer. Standard light rose; wings primrose flushed rose	.25	.40	1.25	4.00
LAVENDER				
Asta Ohn Spencer. Rich lavender; one of the best; flowers large	.25	.40	1.25	4.00
lavender	.25	.40	1.25	4.00
Florence Nightingale. One of the largest and best lavenders	.25	.40	1.25	4.00
LIGHT PINK				
Blanche Ferry Spencer. Large flowers;				
pink and white	.25	.40	1.25	_4.00
shading deeper at the edge	.25	.40	1.25	4.00
Hawlmark Pink. Fine, clear rose pink.	.25	.40	1.25	4.00
Hercules. Giant pure pink	.25	.40	1.25	4.00
MAROON				
0 1 11 0	0.5	40	1 0 5	4.00
Othello Spencer. Deep maroon	.25	.40	1.25	4.00
•			1.20	4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings or-			1.20	4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon	MO !	.40	1.25	4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink	MOI	N		
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink Margaret Atlee. Light salmon pink on cream ground.	MO !	.40	1.25	4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink Margaret Atlee. Light salmon pink on cream ground Mrs. Hugh Dickson. Salmon pink on	.25 .25 .25	.40 .40 .40	1.25 1.25 1.25	4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground.	.25 .25 .25 .25	.40 .40 .40	1.25 1.25 1.25 1.25	4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground Mrs. Hugh Dickson. Salmon pink on cream ground PRIMROSE OR LIGHT	.25 .25 .25 .25	.40 .40 .40	1.25 1.25 1.25 1.25	4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yel-	.25 .25 .25 .25 .25	.40 .40 .40 .40	1.25 1.25 1.25 1.25	4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow.	.25 .25 .25 .25	.40 .40 .40	1.25 1.25 1.25 1.25	4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET	.25 .25 .25 .25 .25	.40 .40 .40 .40	1.25 1.25 1.25 1.25	4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scar-	.25 .25 .25 .25 .25 YEI	.40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 V	4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson	.25 .25 .25 .25 .25 YEI .25	.40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 v 1.25	4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large.	.25 .25 .25 .25 .25 YEI .25	.40 .40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 1.25 1.25 1.25	4.00 4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson	.25 .25 .25 .25 .25 YEI .25	.40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 v 1.25	4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon. Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet.	.25 .25 .25 .25 .25 YEI .25 .25	.40 .40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 V 1.25 1.25	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet.	.25 .25 .25 .25 .25 YEI .25 .25	.40 .40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 V 1.25 1.25	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet. WHITE Constance Hinton. One of the largest varieties; flowers white; black seeded.	.25 .25 .25 .25 .25 YEI .25 .25	.40 .40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 V 1.25 1.25	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet. WHITE Constance Hinton. One of the largest varieties; flowers white; black seeded. King White. Gigantic flowers; pure	.25 .25 .25 .25 .25 .25 .25 .25 .25 .25	.40 .40 .40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 7 1.25 1.25 1.25 1.25 1.25	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00
ORANGE AND SAL Helen Lewis. Orange pink; wings orange salmon Illuminator. Rich salmon pink. Margaret Atlee. Light salmon pink on cream ground. Mrs. Hugh Dickson. Salmon pink on cream ground. PRIMROSE OR LIGHT Primrose Spencer. Light primrose yellow. SCARLET Fiery Cross. Large; intense orange scarlet. King Edward Spencer. Rich, crimson scarlet; large. Royal Scot. Large brilliant scarlet. Vermillion Brilliant. Intense scarlet. WHITE Constance Hinton. One of the largest varieties; flowers white; black seeded.	.25 .25 .25 .25 YEI .25 .25 .25	.40 .40 .40 .40 .40 .40 .40 .40	1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00

BLUE AND PURPLE

MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; ½ lb., 60c.; \$2.00 per lb.

COLLECTION OF SPENCER OR ORCHID SWEET PEAS

One pkt. each 12 named varieties our selection, \$1.00.

MICHELL'S GILT EDGE MIXTURE

This mixture contains Grandiflora or large flowering varieties and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 15c.; 35c. per ¼ lb.; per lb.,

MICHELL'S EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type.



Type of Winter Flowering Spencer Sweet Pea

NEWER VARIETIES

The following varieties but recently introduced have proven to be a great improvement in the Winter Flowering Spencer Sweet Peas. They are of special merit as regards size and form of flowers and length of stem. Pkt. $\frac{1}{2}$ oz. Burpee's Orange. Finest clear glistening orange; flowers of largest size and produced ...\$0.25 \$1.75 \$3.00 shell pink.

Mrs. Warren G. Harding. A deep shade of .90 1.50silvery blue; of immense size and beautifully waved.... .15.90 1.50 Princess. Flowers large; color, a lovely shade of soft lavender suffused mauve; nicely waved.... 1.25 .15 .75White Star. An extra fine black-seeded, pure white variety; flowers of enormous size, pro-.15.90 1.50

GENERAL LIST I	Pkt.	$\frac{1}{2}$ oz.	Oz.
Asta Ohn. Rich lavender\$	0.15	\$0.60	\$1.00
Aviator. Dazzling crimson scarlet	.15	.60	1.00
Blue Bird. A charming shade of blue	.15	.60	1.00
Bohemian Girl. Flower large; color a beau-			
tiful deep pink	.15	.60	1.00
Cherry Ripe. Cherry or salmon cerise	.15	.60	1.00
Columbia. Salmon color standard; white			
wings	.15	.75	1.25
Enchantress. Bright rose pink	.15	.60	1.00
Fire King. Deep orange scarlet	.15	.60	1.00
Glitters (Early Royal Scot). Standard fiery			
orange; wings deep orange	.15	.75	1.25
Heatherbell. Mauve lavender	.15	.60	1.00
Lavender King. Rich, deep lavender	.15	.60	1.00
Mauve Beauty. Rosy mauve	.15	.60	1.00
Meadow Lark. Rich cream	.15	.60	1.00
Melody. Rose pink on white ground	.15	.60	1.00
Mrs. A. A. Skaach. Clear, light pink	.15	.60 °	1.00
Mrs. M. Spanolin. Pure white	.15	.60	1.00
Othello. Flowers large; beautiful maroon.	.15	.60	1.00
Pink Beauty. Rose pink on white ground	.15	.60	1.00
Primrose Beauty. Deep primrose, flushed			
rose,	.15	.60	1.00
Rose Queen. Flowers are borne freely on			
long stems, are of large size, and usually four			
flowers are produced on a stem. Color a most	**		
attractive shade of pink ¼ oz., \$1.25	.50	2.25	4.00
Snow Flake. Large pure white	.15	.60	1.00
Snowstorm. White; extra large	.15	.60	1.00
True Blue. A charming blue self; flowers			
large and well waved	.15	.75	1.25
White Orchid. Pure white	.15	.60	1.00
Yarrawa. Flowers exquisitely waved, and of			
large size, many of them being duplex or double. Color, a pleasing shade of bright			
rose pink with lighter wings	.15	.60	1.00
Zvolanek's Rose. Extra large; rose pink	.15	.90	1.50
Mixed Colors. Winter Flowering Spencer.	.10	.40	.75
winder i lowering opencer.	.10	•40	.10

NITROGEN-GATHERING BACTERIA

An ideal preparation for treating Sweet Pea Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Farmogerm. Trial size, 50c.

Mulford Culture. Trial size, 35c.

Testimonial

Manasquan, N. J.

I wish to thank you very much for the excellent quality of the seed of Rose Queen Sweet Peas which I purchased from you. They are now producing fancy flowers of the highest quality.

STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 18 to 24 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; is of easy culture, and one of the most desirable plants for the hardy border; excellent for cutting.

Cyanea. Lavender blue. \$0.40 \$0.10
Cyanea Alba. Pure white . .40 .10

STRAWFLOWER (Helichrysum).

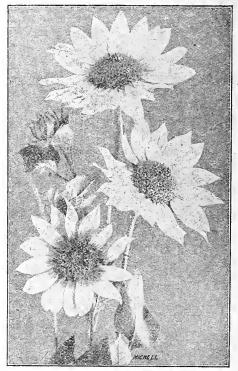
See Everlastings, page 27. SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

8		
	ge pkt.	Pkt.
Cucumerifolius (Miniature Sunflower). Single yellow; 4 feetoz., 40c.	\$0.25	\$0.10
Cut and Come Again. Single golden vellow flowers, with petals twisted		
like a Cactus Dahlia	.25	.10
Stella. Produces an abundance of golden yellow, single flowers with black	0.5	10
centres; invaluable for cutting; 4 feet	.25	.10
LARGE FLOWERED SORTS		
Chrysanthemum Flowered. Large double golden yellow flowers, re-		
sembling Chrysanthemums: 7 feet	.25	.10
Double Globe (Globosus Fistulosus). Large double vellow flowers: height		
6 Ieet	25	.10
Dwarf Double (Globe of Gold). Yellow flowers: 3 feet	.25	.10
New Red. Extra large flowers, some of which are rich chestnut red; others		
tipped with yellowoz., 60c.	.25	.10
Oscar Wilde. Single yellow, black centre; 6 feet	.25	.10
Russian Mammoth. Immense single yellow flowers on tall heavy stalks;		
6 feetoz., 10c.		.05

SWEET ALYSSUM (See Alyssum)

Practical Garden Pointers among other things gives cultural instructions on growing flowers from seed_FREE.



Sunflower, Stetla

SWEET ROCKET (Hesperis)

SWEET SULTAN (Centaurea Moschata)

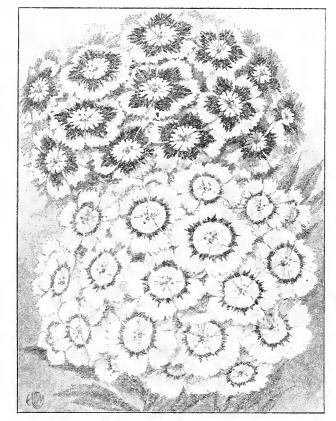
SWEET WILLIAM (Dianthus Barbatus)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

Oz. Large pkt. Pkt. Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed...\$0.75 \$0.25 \$0.10

TAGETES (Single Marigold)
Signata Pumila. A fine bedding plant;
flowers golden yellow; fern-like foliage... .25 .10
THALICTRUM (Meadow Rue)

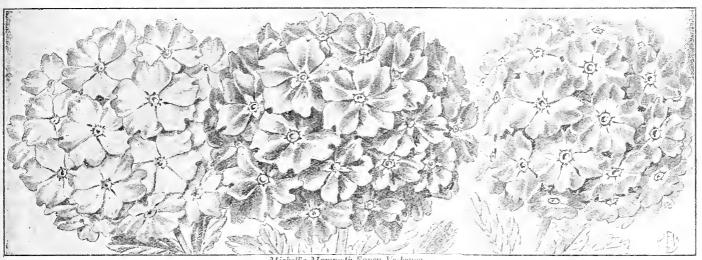
TORENIA



Single Sweet William

See pages 7 to 11 for valuable Novelties and Specialties in Flower Seeds.

MIGHERS FLOWER SEEDS



Michell's Mammoth Fancy Verbenas

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and Oz. Large pkt. Pkt. beautiful colors and shades. \$0.10 .10 Scarlet 2.25 .10 66 **Striped**.... 2.25 .50 " White 2.25 .50 .10 " 66 Yellow. ... 2.25 .50 .10 66 .10 Mixed 1.75 .50Collection. One packet each of above 6 colors .50.30 .10 color an intense deep cardinal scarlet throughout Lemon Scented (Aloysia Citriodora). An old favor-.15 ite plant with delightful lemon-scented foliage; ex-.10 cellent for the garden in summer and pots in winter

VALERIANA (Garden Heliotrope)

Hardy perennial border plants; large fragrant flowers, odor resembles that of the heliotrope; 2 to 3 feet. Large pkt. Pkt. Mixed Colors. \$0.25 \$0.10

VERONICA (Speedwell)

An elegant hardy perennial plant of easy culture and freeflowering habit; of value as a cut flower or for garden. Grows bushy and produces long spikes of flowers.

Large pkt. Pkt.

Spicata. Long spikes of bright blue flowers; 18 in..\$0.40 \$0.10

VINCA (Madagascar Periwinkle)

Dwarf bedding plants, easily raised from seed; deep green glossy foliage and bright single blossoms of striking beauty; also suitable for pot plants; sow early.

Large pkt. Pkt. Alba. White with rose eye. \$0.40 \$0.10 Alba Pura. Pure white..... .40.10
 Rosea. Rose with dark eye.
 .40

 Mixed.
 .0z., \$1.25
 .30
 .10 .10

MIXED FLOWER SEEDS FOR WILD **GARDEN**

This mixture embraces a large number of varieties of easygrowing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Pkt., 10c.; 25c. per oz.; \(\frac{1}{4}\) lb., 60c.; \(\frac{5}{2}.00\) per lb.

WILD CUCUMBER VINE. (See Echinocystis)

VIOLA CORNUTA (Tufted Pansies)

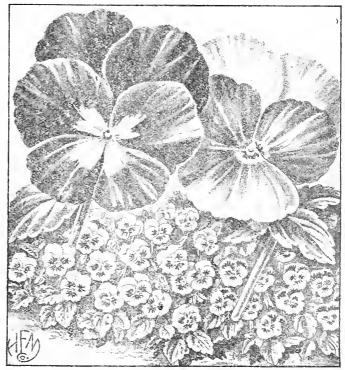
These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies. Large pkt. Pkt. \$0.60 \$0.10 Admiration. Dark blue..... Mauve Queen. Lovely mauve color..... .60 Perfection. Light blue
White Perfection. Large white
Mixed. All colors .60 .10 .60

VIOLA (Scotch Bedding Pansies)

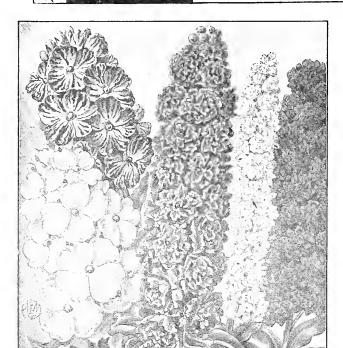
These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta.

La	rge pkt.	PKt.
Golden Gem. Yellow	\$0.60	\$0.15
Lutea Splendens. Rich golden yellow	.60	.15
Snowflake. Pure white		.15
Mixed. From the best named Scotch varieties	.75	.25

VIOLET Sweet Scented (Viola Odorata) .10



Viola, Scotch Bedding



Wallflowers, Single and Double

WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the spring; 2 feet. Large pkt. Pkt.

XERANTHEMUM (Everlasting Flower) See page 27.

MICHELL'S DISTINCTIVE ZINNIAS (Youth and Old Age)

One of the most popular of our hardy annuals for beds, mixed borders and for cutting purposes; easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow to a height of $2\frac{1}{2}$ to 3 feet with immense perfectly double flowers; splendid for cutting or garden effect.

	Oz. L	arge pkt.	. Pkt.
Buttercup. Deep yellow	\$1.50	\$0.40	\$0.10
Crimson	1.50	.40	.10
Flesh Color	1.50	.40	.10
Golden Yellow	1.50	.40	.10
Purple	1.50	.40	.10
Rose King. Carmine rose	1.50	.40	.10
Salmon	1.50	.40	.10
Scarlet	1.50	.40	.10
Shrimp Pink	1.50	.40	.10
Sulphur Yellow	1.50	.40	.10
Violet	1.50	.40	.10
White	1.50	.40	.10
Mixed	1.25	.30	.10
Collection, one packet each, 12 colors			1.00

GIANT DAHLIA FLOWERED ZINNIAS

Flowers are distinct from the ordinary Giant F		
being of a true Dahlia flowering type; flowers extra		
grow from $2\frac{1}{2}$ to 3 feet high. See page 11 for illustr	ation a	and full
description. La	arge pk	t. Pkt.
Crimson Giant	.\$0.75	\$0.25
Dream. Deep lavender turning to purple		
Exquisite. Light rose, centre deep rose	75	.25
Golden State. Orange yellow	75	.25
Old Rose	75	.25
Oriole. Orange and gold	75	.25
Polar Bear. Pure white	75	.25
Scarlet Flame. Scarlet with blending of orange	75	.25
Mixed Colors	60	.15
Collection, one packet each above 8 colors		1.50

DWARF DOUBLE ZINNIAS

Compact bushes not over two feet in height, large Oz.	e double flowers. Large pkt. Pkt.
Crimson\$0.7	
Pink	$^{\prime}5$.25 .10
Salmon Rose	5 .25 .10
Scarlet	75 .25 .10
White	
Yellow	5 .25 .10
Mixed	30 .25 .10
	.40

VARIOUS ZINNIAS		
Oz. 1	arge pk	t. Pkt.
Giant Picotee, Golden Pheasant. A new variety: desirable for bedding or cutting;		
gold ground, each petal tipped with maroon.	\$0.75	\$0.25
Giant Picotee, La France. Soft pink	.75	.25
Giant Picotee, Mixed. Large double flowers,		
of many colors and shades	.60	.25
Liliput. A small double flowering sort of		
dwarf habit; very effective for borders;		
mixed colors\$1.50	.50	.10
Mexicana Perfection. Dwarf; excellent for		
borders; small double flowers; mixed colors 1.50	.50	.10
Red Riding Hood. Plants compact and covered the entire season with miniature		
double flowers; intense scarlet; 1 foot 1.00	.25	.10

See Color Plate of Zinnias on front cover



Zinnia, Giant Robusta





In line with our usual custom, we have taken from our general list certain specially meritorious varieties of vegetable seeds to which we call, on this and the 4 succeeding pages, special attention. Planters will do well to include these sorts in their seed order.

PEDIGREED WASHINGTON ASPARAGUS

This new high yielding pedigreed rust resistant Asparagus is the result of 13 years of careful scientific breeding by the Bureau of Plant Industry.

The shoots are usually dark green with a rich purple tinge, with a clean straight growth and of the finest market type, with a tight pointed bud and not branching out until well beyond the market height.

The shoots are very large on the average and the high branching habit of this strain makes it possible to cut unbranched shoots with good tight buds as much as two feet long. The branches of the mature shoots after they grow up are much less spreading than those of ordinary asparagus.

Seeds. Pkt., 15c.; 45c. per oz.; ½ lb., \$1.25; \$4.50 per lb., postpaid.

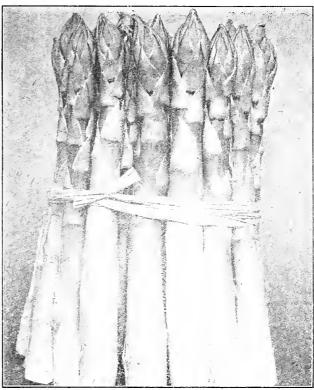
Roots. Strong 2 year old, ready after March 15th. 60c. per doz. (by mail, 75c.); per 100, \$3.00 (by mail, \$3.25); \$25.00 per 1000.

BEAN Dwarf Green Pod Masterpiece

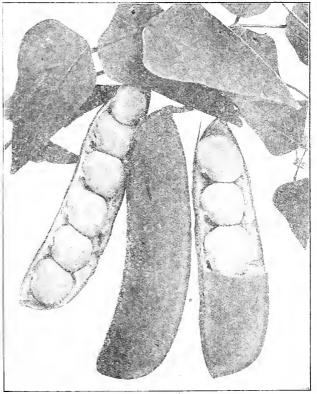
This is a large flat podded variety especially suited for growing under glass, though it may be planted successfully out of doors; a very quick grower; plants robust and very prolific; the pods are long and very tender. Pkt., 15c.; 65c. per lb. (by mail, 70c.); 2 lbs., \$1.25 (by mail, \$1.35); \$3.00 for 5 lbs. (by mail, \$3.15); 10 lbs., \$4.50 (by mail, \$4.75).

NEW BUSH LIMA BEAN WILSON'S IMPROVED

Claimed to be 2 weeks earlier than Burpee's Improved Bush Lima, surely a most important feature in any lima bean, because it is from the early maturing garden products, money, or at least the most of it, is made. It is also much more prolific than the Burpee's Improved, though the pod or the bean is not quite so large, the latter we believe to be rather an advantage. It is our belief that when this variety is properly known it will meet with general favor. Be sure and plant a supply of them if you want the latest in bush limas. Pkt., 10c.; 50c. per lb. (by mail, 55c.); 2 lbs., 95c. (by mail, \$1.05); \$2.25 for 5 lbs. (by mail, \$2.40); 10 lbs., \$4.25 (by mail, \$4.50); \$9.50 for 25 lbs.



Washington Pedigreed Asparagus (Rust Proof)

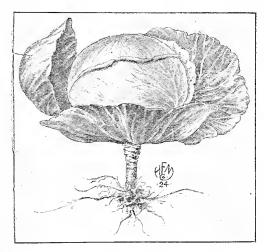


Bean, Wilson's Improved Bush Lima



BEET Michell's "Winter Keeper" See Color Plate

This grand new beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, woodenlike substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb., postpaid.



Cabbage, Babyhead

This variety originated with one of our customers in the Spring of 1919 and it was discovered by the gardener to be so entirely distinct from the balance of a planting that he marked it and tested it for sweetness and eating qualities and found it to be exceptional. One of its peculiar features is that it may be eaten free or entirely clear of the cob. Being pleased with this discovery the gardener made a test of it during 1920, planting it on April 20th together with Early Maine and Golden Bantam, the results were that the Early Maine matured on July 12th,

the Golden Bantam July 15th and the Sugar Kernel on July 15th.

NEW SWEET CORN "Sugar Kernel"

It is apparent that it is as early as the Golden Bantam yet especially desirable for late maturity and it is far superior in point of test than any other brand of Corn he had been grow-

The gardener who originated this variety and gives us this description states he has been growing Sugar Corn for twenty years and this is the best Corn he has ever had any experience with. The ears are cylindrical, medium size and often two ears on a stalk; he gave us this description on October 18, 1921, when he stated this variety was maturing in the garden and of exceptional quality.

Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 for 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 for 25 lbs.

BEET (Detroit Dark Red) (Michell's Special Strain)

A selected strain grown for us by a very careful grower. An early, globe-shaped variety; good size, smooth and handsome and of a dark blood red color; the flesh is deep vermillion red, zoned with a lighter shade of the same color; of excellent quality, and a desirable sort for canning. Suitable for fall use as well as for spring. Pkt., 10c.; 25c. per oz.; ½ lb., 75c.; \$2.25 per lb., postpaid.

CARROT

Early Half Long Scarlet

A very desirable stump-rooted variety. Tops of medium size; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core. Of the finest quality and one of the most symmetrical and handsome of the medium sized sorts; excellent for the market or home garden. Pkt., 10c.: 20c. per oz.; 1/4 lb., 60c.; \$1.75 per lb., postpaid.

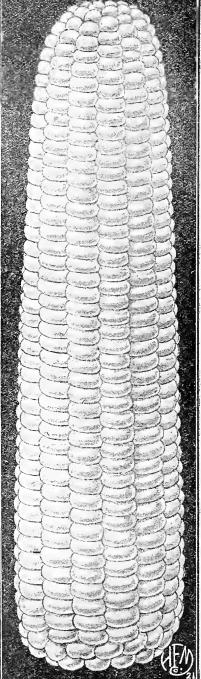
CABBAGE, BABYHEAD

Extremely Early. Well adapted for Forcing.

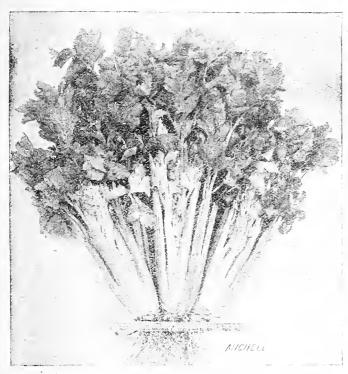
An excellent variety of cabbage, characterized especially by its extreme earliness and the small size of the heads, which is usually less than six inches across, round, firm and of splendid cooking quality; has a very short stem and on account of the few small outer leaves the plants may be set as close as 8 to 10 inches apart, It is an ideal variety for growing under glass and early open ground planting. Pkt., 20c.; 60c. per ½ oz.; oz., \$1.00, postpaid.

Wheeling, W. Va. Please mail me at once—Michell's Winter Keeper Beet. I have had a trial of these, Please mail me at once—Michell's winter Keeper Beet. I have had a that of these, and want to say that I never had such good-tasting beets before. I have some growing for my winter supply, but I want to be sure of my seed for next season, so I can also give my friends a taste of them. The color and flavor of this variety is positively not to be beaten.

M. L. H.



Corn, Sugar Kernel



Celery, Easy Blanching (Penna. Grown Stock)

CELERY

Michell's Easy Blanching

(Private Stock, Penna. Grown)

This variety, without exception, is probably the most important celery introduction in recent years. The stalks are broad, fine grained and crisp, with a big heart that blanches a beautiful white with yellow leaf tips. Plants set out in June are fully matured and ready for use the early part of September. As a celery for autumn and Thanksgiving, we believe it has no equal. Pkt., 15c.; \$1.00 per ½ oz.; oz., \$1.75; \$5.50 per ½ lb., postpaid

LETTUCE

New York or Wonderful

This variety is also referred to as Los Angeles Lettuce, because it is shipped in such large quantities from that district to the Philadelphia and other Eastern markets; from one growing point and shipping station alone during one winter over 70 carloads were shipped to New York City. This is the lettuce that has for the past few years been in great demand, especially during the late winter and early spring months; its gigantic heads when the outer leaves are removed are almost white, very solid and as it grows in California apparently is without any trace of bitter taste. We have experimented with several varieties to determine definitely what this California variety was and found it to be as above offered. It does best in the latitude of Philadelphia as an early spring and a late autumn crop; while not quite as fine as it grows in California it is, nevertheless, lettuce which deserves greater recognition than it has heretofore received. Every market gardener should grow a quantity of it as it will find a ready sale, being already popularized by reason of its wide distribution during the past few years. We offer an unusually fine strain of seed, selected from specimen heads. 10c. per pkt.; 12 oz., 20c.; 35c. per oz.; ¼ lb., \$1.25; \$3.25 per lb., postpaid.

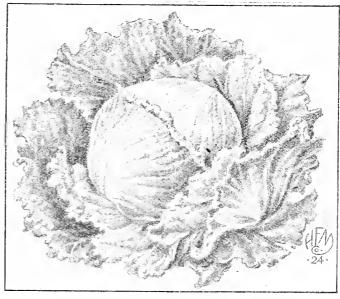


MUSK MELON Michell's Delicious

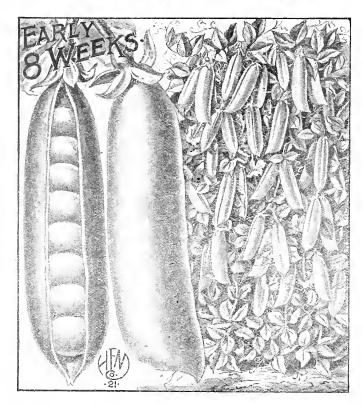
This variety deservedly enjoys a good name; it is one of the very large irregular pumpkin-shaped melons with a smooth silver gray rind. The flesh is very deep orange-salmon and represents most of the melon, as the seed space is very small with but few seeds. One melon of this variety is frequently enough for a family of three or four. 20c. per pkt.; ½ oz., 70c.; \$1.25 per oz.; ¼ lb., \$4.00, postpaid.

Testimonial Richboro, Pa.
We gave your "Delicious" Muskmelon a trial last year and were quite successful with it. Some of the fruits weighed 12 lbs. each.

B. B.



New York or Wonderful Letiuce



PEAS, EXTRA EARLY EIGHT WEEKS

See Color Plate

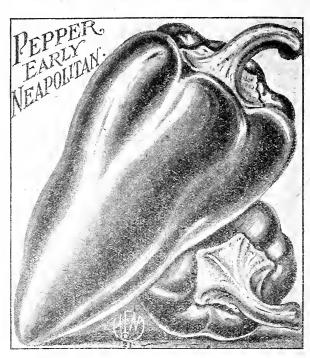
This is one of the earliest dwarf Peas in cultivation, commencing to bear 6½ weeks after planting. They usually grow to a height of from 12 to 15 inches; on account of their dwarf habit they can be planted closer than most other varieties, yielding a greater quantity of peas from a comparatively small space of ground than from almost any other variety. The pods are of medium size and well filled with peas of extra fine quality. Pkt.. 10c.; 35c. per lb.; 2 lbs., 60c.; \$1.35 for 5 lbs.; 10 lbs., \$2.50; postpaid.

NEW SPINACH MARKET GARDENERS See Color Plate

This new variety is the highest perfection of the Spinach family, being a decided improvement on all other kinds. The leaves are broad, heavy and of a dark green, glossy color, very heavily blistered compared to Long Season; it will also stand at least a week or ten days longer without shooting to seed, which is an important factor. The plant is not of the rosette type, standing more erect, and requiring a less number of plants to fill a basket than any other variety. A trial will convince you of the tenderness and superior quality of this variety. Per oz., 10c.; 30c. per ½ lb.; lb., \$1.00; \$4.50 per 5 lbs., postpaid.

SQUASH, HUBBARD TRUE GREEN VARIETY

A superior selection of this famous variety and one of the best winter squashes; flesh bright orange yellow, fine grained, very dry, sweet and rich flavored; keeps perfectly good throughout the winter; boils very dry. Vines are vigorous and very productive. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.00 per lb., postpaid.



PEPPER, EARLY NEAPOLITAN

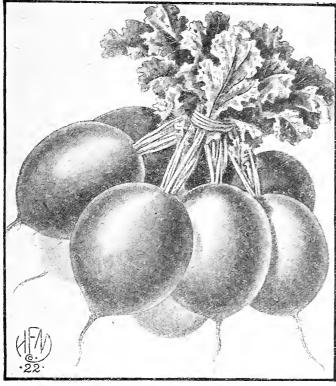
The earliest and sweetest of all large fruited varieties. The strong vigorous plants are completely laden with long handsome fruits and bear continuously until frost. The peppers grow upright until they become so heavy that their own weight turns them down The skin and flesh are bright red when ripe; thick meated, swee and mild. Pkt., 10c.; ½ oz., 25c.; 40c. per oz.; ¼ lb., \$1.25 postpaid.



Spinach, Market Gardeners

ONION, Ailsa Craig

The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.35 per ¼ lb.; lb., \$4.00, postpaid.

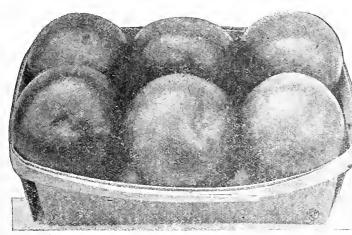


Radish, Scarlet Globe (Special Forcing)

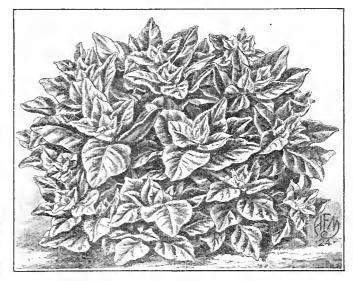
RADISH, Early Scarlet Globe

A Popular Variety for Forcing or Outdoor Planting.

A very early globe shaped variety and the most popular variety on the market, for hot-bed or greenhouse forcing; also valuable for out-door planting. The radishes are of handsome shape, attractive bright scarlet, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled in 25 days from sowing the seed; top small. Pkt., 10c.; 25c. per oz.; ¼ lb., 70c.; \$2.50 per lb., postpaid.



Tomato, Michell's Early R'd Wonder



Spinach, New Zealand

SPINACH, NEW ZEALAND

An All Summer Variety.

An exceptionally fine variety available for use during the hottest months of the year; quite different from any other Spinach, being of branching habit. The plants grow vigorously and do not run to seed; stems and leaves are thick, fleshy, tender and succulent; in color and flavor fully equal to the best of other varieties. very productive and sending out fresh growth after being cut, continuously until frost; it should be in every garden. Seed should be sown in April or May in rows 2 feet apart. In order to get a successful germination of the seed, it should be soaked in warm water for about 12 hours before sowing. Per pkt., 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.00 per lb.; 5 lbs., \$4.00, postpaid.

SQUASH, Cocozelle or Italian

A bush variety, with dark green foliage; the fruits are oblong, -12 inches or more in length and 4 to 5 inches in diameter. The skin is dark green, with stripes of a still deeper shade. The young fruit when sliced and fried constitute a vegetable delicacy superior to egg plant. Pkt., 10c; 20c. per oz.; ½ lb., 60c.; \$2.00 per lb., postpaid.

TOMATO MICHELL'S EARLY RED WONDER

Extremely Solid.

Beautiful Color.

Uniform in Shape.

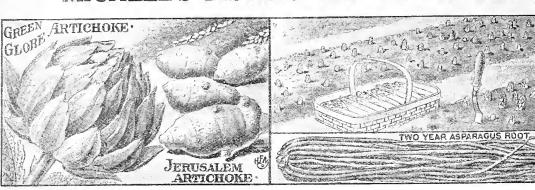
A Sure Winner.

This variety is the result of a cross between "My Maryland" and "Magnificent," having originated with Mr. W. E. Vail, of Yorktown Heights, Westchester Co., N. Y. He had been watching it for a number of years, and finally thinking so well of it he asked us if we would not place it on the market, with the right to name it, which we have done, and we believe the name does it justice. The fruits are fairly large, extremely solid and of a beautiful "tomato red" color. It is a shy seeder, therefore very solid. It is a wonderful market variety, being uniform in shape and in fact it possesses about every good attribute that a tomato can have. It is medium early (not extra early) but a winner and we know you will like it. It is a tomato we believe can be successfully grown anywhere that tomatoes will grow. Since we have offered this new variety to our customers we have received numerous testimonials of the good results obtained from this variety. Pkt., 10c.; 30c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb., postpaid.

Testimonial

Dorothy, N. J.

Regarding the New Early Wonder Tomato, I have never grown a variety of more uniform size and sterling quality, either in the field or under glass; the fruit are the largest I have ever H. K. forced.



ARTICHOKE

Artichaut (Fr.); Artishoke (Ger.); Articiocca (Ital). 1 oz. will produce about 500 plants.

Sow seed in January in the greenhouse, or in hotbeds in March. Transplant when large enough, in rows 3 feet apart, 2 feet apart in the row. Protect the plants in winter by taking them in a cellar or putting in a cold frame; may be left outdoors protected by straw.

Green Globe. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.25 per ¼ lb.

ARTICHOKE PLANTS (Ready in April)

Green Globe. We grow a large stock of these, for those who do not care to bother with them from seed; thus they can be assured of an early Pot grown. \$1.50 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).

ARTICHOKE ROOTS Jerusalem (Ready in April)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a as wanted; they are hardy. 20c. per lb. (by mail, 25c.); 80c. per 5 lbs. (by mail, 95c.); 10 lbs., \$1.25 (by mail, \$1.50); \$2.75 per 25 lbs.; 50 lbs., \$5.00.

ASPARAGUS

Asperge (Fr.); Spargel (Ger.); Sparagio (Ital.). Sow 5 lbs. per acre for roots, or 1 oz. to 100 feet.

A well-cared-for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seeds should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to 1½ ft. apart, from where it can be cut three years later. "Michell's Practical Garden Pointers" gives full information and is mailed free.

Michell's Giant Argenteuil (French Grown Seed). A marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. Color, white, with a greenish purple tip. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

Barr's Mammoth. Produces heavy, stout spears, of delicious flavor. Remains green when cooked.

Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.10 per lb. Conover's Colossal. A prolific sort, similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt., 10c.; 15c. per

rarger and fighter in color. Fkt., 10c.; 15c. per oz.; ½ lb., 40c.; \$1.10 per lb.

Palmetto or Eclipse. One of the earliest; very prolific and finely flavored. Color, green. Pkt., 10c.; 15c. per oz.; ½ lb., 40c.; \$1.10 per lb.

Pedigreed Washington. A rust-resisting variety. For illustration and full description, see page 49, also also plots. Pkt. 15c. 45c. por oz.; ½ lb.

also color plate. Pkt., 15c.; 45c. per oz.; 1/4 lb., \$1.25; \$4.50 per lb.

ANISE

Seed is used for flavoring. Pkt., 10c.; 20c. per oz.; ¼ lb., 75c.

ASPARAGUS ROOTS (Ready after March 1st)

4000 to 6000 roots are required for an acre

	z-rear-Old Roots		
	Doz.	100	1000
Barr's Mammoth	\$0.30	\$1.50	\$10.00
Conover's Colossal	30	1.50	10.00
Giant Argenteuil	30	1.50	10.00
Palmetto or Eclipse	30	1.50	10.00
Washington (New)	.60	3.00	25.00
(Rust proof)			

If above are wanted by parcel post, add 10c. per doz.; 20c. per 100 for postage.

	3-Yea	r-Old	Roots
	Doz.	100	1000
Barr's Mammoth	\$0.40	\$2.00	\$15.00
Conover's Colossal	.40	2.00	15.00
Giant Argenteuil	40	2.00	15.00
Palmetto or Eclipse	.40	2.00	15.00
If above are wanted by pa	arcel pos	t, add	15c. per

doz.; 25c. per 100 for postage.

ACCESSORIES TO ASPARAGUS GROWING

Raffia Tape. A linen and paper composition in 250-yard spools; nile green color. 90c per bolt (by mail, \$1.05); 6 bolts, \$5.25 (by mail, \$5.40).

Asparagus Tape. Fast cherry red color, water-proof; in 1000-yard spools. Per spool, \$5.25 (by mail, \$5.40).

Rafña. Ideal for tying asparagus in bunches. Natural, 25c. per lb. (by mail, 30c.); 5 lbs. for \$1.10 (by mail, \$1.25).

Green, \$1.10 per lb. (by mail, \$1.20); 5 lbs., \$5.00

(by mail, \$5.15).

Jute Twine. For tying asparagus, 2 and 3-ply; soft and pliable. Per ball, 15c. (by mail, 20c.); 30c. per lb. (by mail, 40c.).

Asparagus Salt. Applied in the spring for destroying weeds, 800 lbs. per acre. \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00 per 1000 lbs.; ton, \$25.00.

Asparagus Fertilizer. Compounded after a formula recommended by a leading asparagus grower; apply 800 lbs. per acre. In 200-lb. bags, \$5.00; \$22.50 per 1000 lbs.; ton, \$40.00.

ASPARAGUS BUNCHER

It pays to use a buncher. Asparagus is quickly tied and looks uniform. With Knife Guard, \$3.75 (by mail, \$4.00).

ASPARAGUS KNIVES

Fig. 110. Asparagus Knife. Fig. 110. Asparagus Knife, American. V-shaped blade; short handle.

Fig. 110. Asparagus Knife, American.

A Book, entitled Asparagus Culture, by Hexamer, will solve any of the problems that may arise in growing the crop. Price, 90c.



Haricots Nains (Fr.); Buschbohnen (Ger.); Fagiuoli Nani (Ital.) Plant 90 lbs. per acre. 2 lbs. will plant a 100 foot row. Cultural Directions.—A rich, sandy loam suits beans to perfection. Toward the end of April or, still better, in May, sowings may be made and may be repeated every two weeks until September. Have the rows about two feet apart. Sow quite thinly in the row and about two inches deep; thin out to stand four to six inches apart in the rows.

GREEN-PODDED VARIETIES

Black Valentine. Pods very long and slender, semi-round and well-flavored; slight string when old. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Bountiful. A flat podded sort; stringless, tender and a

prolific bearer. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs. **Early Mohawk.** This variety can be planted before any

other sort, being quite hardy; large cropper; flat pod. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Extra Early Refugee. An early, fleshy, saddleback pod variety. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs. \$2.75 (by mail, \$3.00): \$6.50 per 25 lbs.

10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Full Measure. A stringless variety of excellent quality.

Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Mammoth Stringless. An improvement on Burpee's Green Pod; early round pod, free from string and, while not so prolific, makes a much larger pod. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Masterpiece. This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors. Pkt., 15c.; 65c. per lb. (by mail, 70c.); 2 lbs., \$1.25 (by mail, \$1.35); \$3.00 per 5 lbs. (by mail, \$3.15); 10 lbs., \$4.50 (by mail, \$4.75). Red Valentine (Michell's Improved). A carefully selected stock of this well-known variety.

lected stock of this well-known variety; it is one of the earliest sorts, maturing often in 45 to 50 days. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75

(by mail, \$3.00); \$6.50 per 25 lbs.
*Stringless Green Pod (Michell's Improved Stroin). Even when the pod has become quite old it still retains its stringless qualities. It recommends itself also by its extreme earliness, prolific and continuous bearing qualities and superior flavor. Round pods often seven inches long. Pkt., 10c.; 20c. per ½ lb. (by mail, 30c.); lb., 35c. (by mail, 40c.); 65c. per 2 lbs. (by mail, 75c.); 5 lbs., \$1.50 (by mail, \$1.65); \$2.75 per 10 lbs. (by mail, \$3.00); 25 lbs., \$6.50.

Triumph of the Frames. Splendid for forcing under glass, producing a long, narrow, tender pod. Pkt., 15c.; 65c. per lb. (by mail, 70c.); 2 lbs., \$1.25 (by mail, \$1.35); \$3.00 per 5 lbs. (by mail, \$3.15); 10 lbs., \$4.50 (by mail, \$4.75).

WAX OR YELLOW-PODDED **VARIETIES**

Black Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Currie's Rust-proof Wax. An improved type; extra early; large yielder; long, thick, flat pods. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs.. (by mail, \$1.65); 10 lbs., \$2.75 (by mail \$3.00); \$6.50 per 25 lbs.

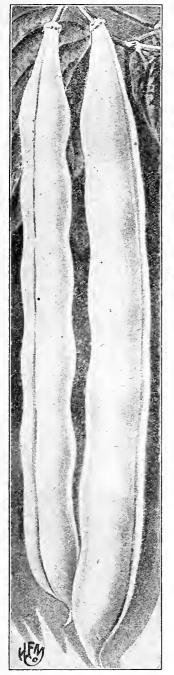
Sure Crop Stringless Wax. Very early and productive and very hardy, resisting rust and disease with impunity; pods long, thick and flat; a splendid variety. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Unrivaled Wax. Pods long, flat, tender and of excellent quality; and the production of the p

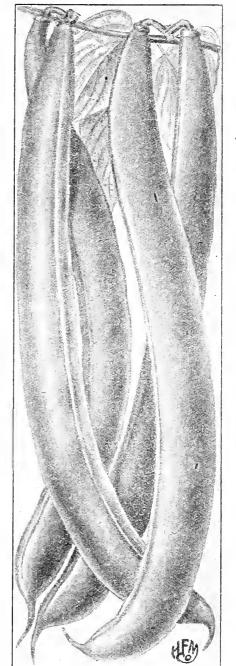
early. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Wardwell's Kidney Wax. A favorite market bean: long, thick, flat yade in great shundance; one of the best medium early sorts:

flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.85 (by mail, \$3.10); \$6.50 per 25 lbs.



Improved Strain Golden Wax



Black Valentine

mail, \$3.00); \$6.50 per 25 lbs.
*Golden Wax Rust Proof (Michell's Improved Strain). This type far surpasses the old favorite in many points; the plants are very vigorous and rust-resisting. Pkt., 10c.; 20c. per ½ lb. (by mail, 25c.); lb., 35c. (by mail, 40c.); 65c. per 2 lbs. (by mail, 75c.); 5 lbs., \$1.50 (by mail, \$1.65); \$2.75 per 10 lbs. (by mail, \$2.00).

76c.); 5 lbs., \$1.50 (by mail, \$1.65); \$2.75 per 10 lbs. (by mail, \$3.00); 25 lbs., \$6.50.

Refugee Wax. Round-podded, entirely stringless and of exceptional flavor. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Round-Podded Kidney Wax. A vigorous grower, producing fleshy pods, stringless and rust-proof. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

MICHELL'S POLE BEANS (Not Limas)

Haricots a Rames (Fr.); Stangenbohnen (Ger.); Fagiuoli (Ital.).

Plant when all danger of frost or cold nights is over. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting.

Plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. When up and established, thin out to 3 plants in a hill. Plant

about 20 lbs. to the acre.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, and yield larger crops than dwarf sorts. One planting lasts usually for the season. The secret of success in growing them is to keep picking them as they mature, they then continue to bear and yield quantities of tender beans of delicious flavor. If you've never grown them before try them this season.

*Early Golden Cluster Wax. A beautiful deep yellow pod, flat and frequently 8 inches long; makes a delicious dish as a butter bean or for pickling; quite string-less and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. The best of the pole beans and a splendid variety for the home garden. Pkt., 10c.; 25c. per ½ lb. (by mail, 30c.); lb., 40c. (by mail, 45c.); 80c. per 2 lbs. (by mail, 90c.); 5 lbs., \$1.85 (by mail, \$2.00); \$3.60 per 10 lbs. (by mail, \$3.85); 25 lbs., \$8.00.

Scarlet Runner (Green Pod.). While used principally faith a garden garden with the second principal of the sec

for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

*Kentucky Wonder (Old Homestead). Green Pod. In the South this variety is grown more extensively probably than any other; a tremendous yielder of long, round pods, very tender and practically stringless; the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. Pkt., 10c.; 25c. per ½ lb. (by mail, 30c.); lb., 40c. (by mail, 45c.); 70c. per 2 lbs. (by mail, 80c.); 5 lbs., \$1.65 (by mail, \$1.80); \$3.25 per 10 lbs. (by mail, \$3.50); 25 lbs., \$7.50.



If there is vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts when picked very young,

but for the first named purpose they are the best.

Boston Navy or Pea. For soup and baking purposes.

10c. per pkt.; per lb., 30c. (by mail, 35c.); 55c. per 2
lbs. (by mail, 65c.); 5 lbs., \$1.25 (by mail, \$1.40);

\$2.40 per 10 lbs. (by mail, \$2.65); 25 lbs., \$5.50.

Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

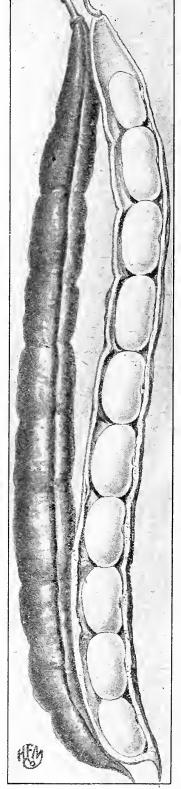
well-known variety; pods long, Red Kidney. A Ridneys A well-known variety, pous long, kidney-shaped, light red in color and of good quality. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 60c. (by mail, 70c.); \$1.40 per 5 lbs. (by mail, \$1.55); 10 lbs., \$2.50 (by mail, \$2.75); \$5.75 per 25 lbs.

Golden Cluster Wax

White Marrowfat. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.40 per 5 lbs. (by mail, \$1.55); 10 lbs. \$2.50 (by mail, \$2.75); \$6.00 per 25 lbs.

Dwarf Horticultural. One of the best early shell beans grown; the thick, flat, stringless pods are colored red and green; the bean is large, round and speckled. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs. (by mail, 55c.); 3 lbs. (by mail, 55c.); 4 lbs. (by mail, 55c.); 5 lbs. (by mail, 55c.); 6 lbs. 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail,) \$1.65; 10 lbs., \$2.75 (by mail, \$3.00);

PLEASE NOTE.—Only varieties of Beans marked * can be supplied in ½-lb. pkgs. CEDAR BEAN POLES (Pointed). Extra selected quality, about 10 feet long. 12 for \$2.25; 25 for \$4.00; 50 for \$7.75; \$15.00 per 100.



Kentucky Wonder Bean

NITROGEN BACTERIA FOR BEANS

If you want your lima bean patch to yield earlier and better, inoculate the seed before planting with nitrogen bacteria. We offer the following Brands: Mulford Germ, trial size, 35c.; 75c per ¼ acre size, 1 acre size, \$1.50. Farmogerm, ¼ acre size, 50c.; \$1.00 per acre size. See page 88.

MICHELL'S LIMA BEANS

Haricots a rames (Fr.); Stangenbohnen (Ger.); Fagiuoli di Lima (Ital.)

POLE VARIETIES

2 pounds will plant 100 hills; 25 to 30 pounds per acre.

Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than replanting. When up and established, thin out to 3 or 4 plants in a hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 feet apart in the row. It is a good plan to put a small shovelful of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

Carpinteria. A variety that retains it green color in all stages of growth, even after being dried; with this it combines wonderful prolificness, flavor and size; a good early variety; 4 to 5 beans in a pod. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00);

\$6.50 per 25 lbs.

\$6.50 per 25 lbs.

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small; extra quality. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.85 (by mail, \$3.10); \$6.50 per 25 lbs.

Giant Podded. This variety is fully a week earlier than King of the Garden. It is a

prodigious cropper, producing its pods in large clusters; these are well filled with large beans of excellent quality. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.85 (by mail, \$3.10); \$6.50 per 25 lbs.

*King of the Garden. Pods are of enormous size, many specimens measuring from

*King of the Garden. Pods are of enormous size, many specimens measuring from 5 to 8 inches and producing as high as six beans to the pod, perfectly formed and of superior quality. Pkt., 10c.; 25c. per ½ lb. (by mail, 30c.); lb., 40c. (by mail, 45c.); 70c. per 2 lbs. (by mail, 80c.); 5 lbs., \$1.65 (by mail, \$1.80); \$3.25 per 10 lbs. (by mail, \$3.50); 25 lbs., \$7.50.

Michell's Evergreen. This remarkable pole lima equals the earliest for earliness, is far more productive than any other, and retains at all times a beautiful green color.

Pods contain on the average 5 to 6 beans. Pkt., 10c.; 40c. per lb. (by mail, 45c.); 2 lbs., 70c. (by mail, 80c.); \$1.65 per 5 lbs. (by mail, \$1.80); 10 lbs., \$3.25 (by mail, \$3.50); \$7.50 per 25 lbs.

BUSH OR DWARF VARIETIES

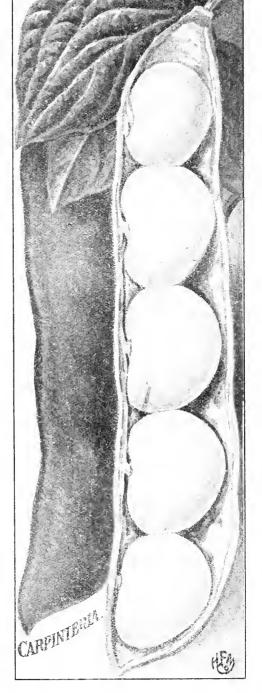
Bush Limas should be planted for early crops, as they come into bearing much sooner, although they are not so prolific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter, and more proused instead; the bean is thicker, sweeter, and those pro-lific. Pkt., 10c.; 50c. per lb. (by mail, 55c.); 2 lbs., 95c. (by mail, \$1.05); \$2.25 per 5 lbs. (by mail, \$2.40); 10 lbs., \$4.25 (by mail, \$4.50); \$9.50 per 25 lbs. *Fordhook. This is the best type of bush lima in cultiva-

tion; it has a distinct upright vigorous growth; the pods are borne in clusters well above the ground and frequently contain as many as 4 thick luscious beans. It

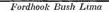
matures very early and continues in bearing till frost. Pkt., 10c.; 30c. per ½ lb. (by mail, 35c.); lb., 55c. (by mail, 35c.); lb., \$2.50 (by mail, \$2.65): lbs., \$11.25.



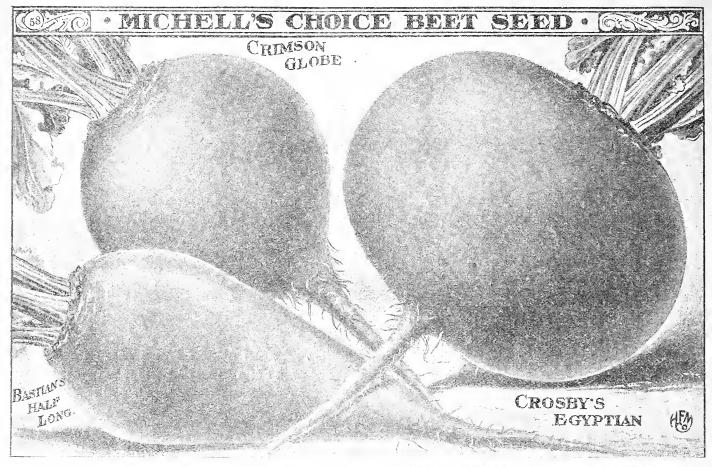


Hendersons. A dwarf, compact growing variety, with large clusters of pods, containing very small flat beans; this is a favorite sort for canning. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Wilson's Improved (New). Claimed to be two weeks earlier than Burpee's Improved Bush Lima; it also is much more prolific, though the pod nor the bean is quite as large. For full description and illustration, see page 49. Pkt., 10c.; 50c. per lb. (by mail, 55c.); 2 lbs., 95c. (by mail, \$1.05); \$2.25 per 5 lbs. (by mail, \$2.40); 10 lbs., \$4.25 (by mail, \$4.50); \$9.50 per 25 lbs.



Only Varieties of Beans marked * can be supplied in 1/2 lb. packages.



Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.) One ounce will sow a row 50 ft. long; 5 lbs. per acre.

Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in the row. For an early crop in hotbeds the seed should be sown in early March, while for a winter supply sow about July 10th outdoors.

Arlington Favorite. Extra early; exceedingly sweet; rich blood red. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb. Bassano (Extra Early). A flat variety; flesh white and rose colored. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb. Bastian's Extra Early. The best beet for market and family use; grows quite large; turnip-shaped. Pkt., 10c.; 20c. per oz.; ¼ lb. 50a.; \$1.50 per lb.

14 lb., 50c.; \$1.50 per lb.

Bastian's Half Long Blood. Used extensively for winter use.
Pkt., 10c.; 20c. per oz.; 14 lb., 60c.; \$1.75 per lb.

Crimson Globe. Almost round in shape, a rich deep red color; it has a distinct delicious flavor and is very tender; good for sowing early for forcing and summer use. Pkt., 10c.; 20c. per

oz.; ¼ lb., 60c.; \$1.75 per lb. Crosby's Egyptian. One of the earliest beets; especially desirable on account of its rich blood-red color throughout and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb. Detroit Dark Red (Michell's Special Strain). The seed of this

variety is a careful re-selection from the choicest, most uniform roots; it will be found superior to the usual type of Detroit Beet and we recommend it in the highest of terms. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.

Detroit Dark Red (Regular Strain). 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

Eclipse. Perfectly smooth and round; skin and flesh intense red. An excellent sort for forcing or for planting in the garden. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood-red. Pkt., 10c.; 15c. per oz.; ½ lb., 50c.; \$1.50 per lb. ³ Michell's Ideal (New). A splendid turnip-shaped beet of rich,

blood-red color; fine grained and very tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 70c.; \$2.25 per lb.

Michell's Winter Keeper (New). Globe shaped; rich red, tender and sweet; one of the best winter varieties. Pkt., 10c.; 25c. per oz.; ¼ lb. 75c.; \$2.50 per lb.

SWISS CHARD, GIANT LUCULLUS

Pkt., 10c.; 15c. per oz.; per 1/4 lb., 50c.; \$1.25 per lb.

BEETS

Cattle Varieties or Mangel-Wurzel. (See page 71.) **BASIL** (**Herb**) Pkt., 10c.; 15c. per ½ oz.; per oz., 30c. **BORAGE** (**Herb**) Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per 1/4 lb.

BROCCOLI

Broccoli (Fr.); Sparklekohl (Ger.); Broculi (Ital.) One ounce will produce 3000 plants.

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same. White Cape. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$1.75 per 1/4 lb.

BRUSSELS SPROUTS

Chou de Bruxelles (Fr.) Rosekohl (Ger.); Berza de Brussels (Ital.)

One ounce will produce 3000 plants.

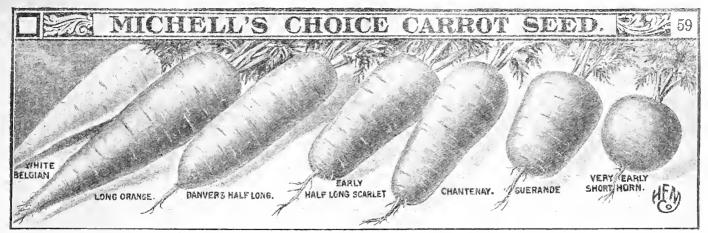
Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When feet apart in the row. heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

Matchless Improved. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 75c. per ¼ lb.; lb., \$2.25. Brussels Sprouts Plants (Ready in July)

25 for 25c.; 75c. per 100 (by mail, 85c.); per 1000, \$6.00.



Brussels Sprouts Prices of all seeds on this page include mailing charges.



All seeds on this page mailed postpaid at quoted prices.

Carotte (Fr.); Mohruben (Ger.); Carota (Ital.)
One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.
For an early crop sow as soon as danger from frost is over

in rows 1 foot apart; when 2 inches high, thin out to stand 2 inches apart in the row. For a late crop sow in May or June. The long sorts should be sown early; the half-long and round sorts can be

Chantenay Half-Long. Orange scarlet color; very productive; especially desirable for market or home use. The flesh is tender,

and finely grained; 5 inches long, stump-rooted. 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.75 per lb.

Danvers Half-Long. The best variety for general crop; rich orange color; a very heavy yielder and splendid keeper; a first class carrot for all soils, and valuable both for table and stock;

6.to 7 inches long, stump-rooted. An extra fine strain of this favorite sort. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb. Early Half-Long Scarlet. A very desirable stump-rooted variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color; can be sown in hotbeds for early use, for which purpose it is very good: 5 to 6 inches long. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb. Early Scarlet Horn. A favorite early red variety; fine grain

and good flavor; stump-rooted, about 6 inches long; ideal for soups. Pkt., 10c.; 20c. per oz.; 14 lb., 60c.; \$1.75 per lb. Guerande or Oxheart. A desirable variety on soils too hard and

stiff for the longer growing sorts, as it is not over 3 to 4 inches long. It has a very fine flavor and is colored a rich orange. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

Improved Long Orange (Michell's Special Strain). Deep orange

color; 10 inches long; good flavor; yields heavily; is of excellent table quality and is also the best for stock feeding. 5c. per pkt.;

large pkt., 10c.; 15c. per oz.; ½ lb., 60c.; \$1.75 per lb.;

Orange Beauty. A first-class carrot in every respect. This variety is a special selection of a popular sort, which it excels in

every way; a beautiful shade of orange; point rooted. Pkt., 10c.; 15c. per oz.; ½ lb., 60c.; \$1.50 per lb.

Rubicon Half-Long. The best in shape, and its deep red orange-colored flesh is of finest quality; stump-rooted. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing and for growing outside. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt., 10c.; 20c. per oz.; 1/4 lb., 65c.; \$2.00 per lb.

White Belgian. Used principally for stock, not being desirable for table; produces a long thick white root. It is also used for soiling or turning under, being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

CHIVES (Schnittlauch)

Indispensable for flavoring certain dishes, imparting a mild taste of onion. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen. Seed. Pkt., 10c.; 20c. per ½ oz.; oz., 35c. Strong Plants. 15c. each; doz., \$1.50; \$10.00 per 100.

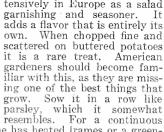
CORIANDER (Herb)

For flavoring, etc. Pkt., 10c.; 15c. per oz.

CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad



crop, sow every two weeks; if one has heated frames or a greenhouse it can be sown under glass all winter or in hotbeds in Feb-It can be cut 4 or 5 weeks after sowing.

Double Curled. Pkt., 5c.; 10c. per large pkt.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 90c.; \$2.75 per lb.

CHICORY

Double Curled Chervill

Witloof. The roots are easily produced from seed, sown in May or June, in rows as one would Endive. They are taken up after a few hard frosts and cared for the same as Turnips or similar crops. Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep. Place about 6 in-ches apart each way. The top growth remains intact, and may be cut any time after 5 inches growth. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; per lb., \$2.00.



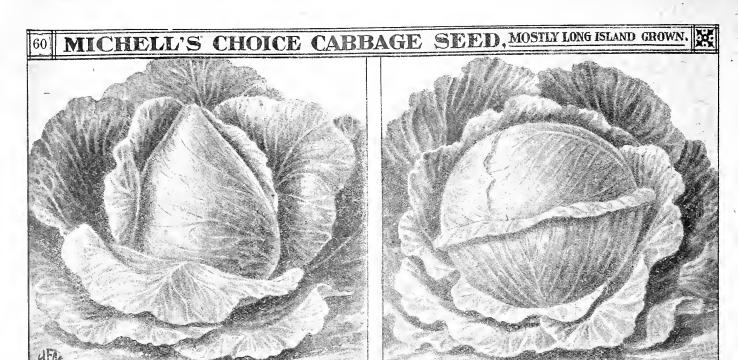
Witloof

COLLARDS

One ounce of seed will produce 3000 plants.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is prac-tically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which in-creases in height. Planted much like cabbage.

Georgia or Southern. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.



Early Jersey Wakefield

Early Summer

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.)

One ounce will produce about 3,000 plants; 4 ozs. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed post free.

EARLY VARIETIES

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid; excellent for winter as well as early spring. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ¼ lb.; lb., \$4.00.

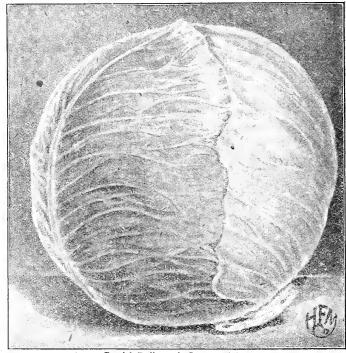
Babyhead. An extremely early variety; small, perfectly round, solid heads of splendid quality. On account of the few small outer leaves the plants may be set as close as 8 to 10 inches apart; also well adapted for growing under glass. See illustration page 50. Pkt. 20c.; 60c. per ½ oz.; oz., \$1.00.

Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. In this variety we offer a splendid sort, which should be planted by every cabbage grower. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ½ lb.; lb., \$4.00.

Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence; a great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to be set out earlier than other sorts. 5c. per pkt.; large pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ¼ lb.; lb., \$4.00.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types; makes a splendid solid head. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.25.

Large Charleston Wakefield. Similar to the Early Wakefield, but the heads are more blunt, equally as solid, while it grows almost twice the size and matures one week later. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ¼ lb.; lb., \$4.00.

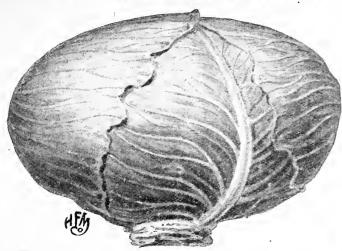


Danish Ball Head (See page 61)

PE-TSAI (Chinese or Celery Cabbage)

This resembles in appearance and growth a head of Cos Romaine or Celery Lettuce. The heads are very firm, almost like cabbage. The flavor is delightful, not at all like cabbage, but rather on the order of Witloof Chicory or French Endive. Can be planted as a spring or autumn crop. May be forced in a cold frame. The plants are handled much like lettuce, except that they should be set from 15 to 18 inches apart, the rows 2 to $2\frac{1}{2}$ feet apart. Pkt., 10c.; 20c., per $\frac{1}{2}$ oz.; oz., 35c.; \$1.10 per $\frac{1}{4}$ lb.; lb., \$4.00.

A book on the Culture of CABBAGE AND CAULI-FLOWER, by Allen; comprehensive, interesting and instructive, 90c. postpaid.



Late Flat Dutch Cabbage

LATE OR WINTER VARIETIES

All Seasons (Vandergaw). A very large head, round and solid. Valuable for late summer or winter use. Pkt. 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per 1/4 lb.; lb., \$4.00.

Danish Ball-Head (Michell's Improved Strain). This excellent winter cabbage is unequaled for its keeping qualities, massiveness and weight. For boiling, cold slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads seldom burst. See illustration, page 60c. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.10 per $\frac{1}{4}$ lb.; lb., \$4.00.

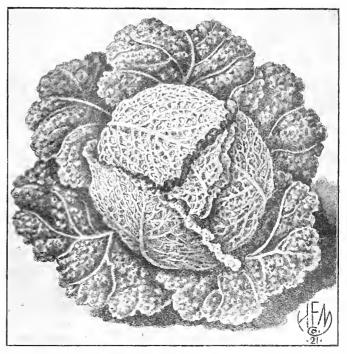
Late Flat Dutch (Improved Strain). This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. Pkt., 5c.; 10c. per large pkt.; ½ oz., 20c.; 35c. per oz.; ¼ lb., \$1.10; \$4.00 per lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort; color, a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it as being one of the best cabbages of its kind grown for either market or home use. Pkt., 10c.; 20c. per ½ oz.; oz. 35c.; \$1.10 per ¼ lb.; lb., \$4.00.

Red Dutch. A red variety, used extensively for pickling. When cooked with a little port wine and sugar added to it, makes a dish fit for a king. For cold slaw it has merits over the white kinds. It is principally used for winter, keeping well until spring. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.; lb., \$3.50.



Michell's Earliest Snowstorm Cauliflower



Perfection Drumhead Savoy Cabbage

CABBAGE PLANTS

	100	1000
Early Sorts.	Hot bed grown \$0.60	\$5.00
Early Sorts.	Cold-frame grown 1.00	8.50
Late Sorts.	Field grown	5.00
If cabbag	ge plants are wanted by parcel post add 15c.	per 100
for postage.		•

CAULIFLOWER

Choux-Fleurs (Fr.); Blumenkohl (Ger.); Cavol Fiora (Ital.) One ounce of seed will produce about 3,000 plants.

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

Danish Giant. An ideal variety for summer use; stands drought

and heat better than other sorts; heads snow white. Pkt., 25c.;

50c. per large pkt.; ½ oz., \$1.00; \$1.75 per ½ oz.; oz., \$3.00. Early Snowball. For either forcing under glass in cold frames or outdoor spring planting, producing magnificent medium size white heads. Pkt., 25c.; 50c. per large pkt.; ¼ oz., 85c.; \$1.50 per ½ oz.; oz., \$2.75.

Half Early Paris. A small head; suited to growing outdoors only. Pkt., 10c.; 50c. per ½ oz.; 85c. per ½ oz.; oz., \$1.50. Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for averaging often 10 inches in diameter; especially desirable 10 its earliness under glass, but does equally well in late spring, summer, or autumn outdoors. Pkt., 25c.; 50c. per large pkt.; ¼ oz., \$1.10; \$2.00 per ½ oz.; oz., \$3.50.

Michell's Special Strain Selected Erfurt. One of the earliest

varieties; head not as large as the Snowstorm sort. Pkt., 25c.; 50c. per large pkt.; ¼ oz., 85c.; \$1.50 per ½ oz.; oz., \$2.75.

CAULIFLOWER PLANTS (Ready April 1st)

Dozen Pot-grown cauliflower plants cannot be sent by parcel post

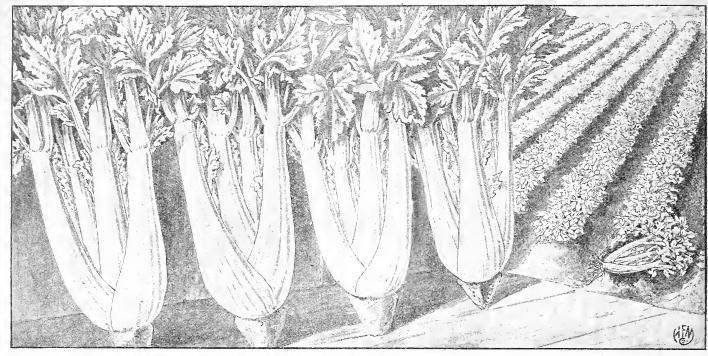
successfully. If hotbed plants are wanted by parcel post, add 5c. per doz. or 15c. per 100 for postage.

CARAWAY (Herb)

For flavoring etc. Pkt., 10c.; 20c. per oz.

CATNIP (Herb)

For making tea; a cat tonic, etc. Pkt., 15c.



Michell's Easy Blanching Celery

Celeri (Fr.); Sellerie (Ger.); Sedano (Ital.)

One ounce of Seed will produce 3000 to 5000 plants; half-pound is sufficient for one acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way; let them remain there until July when they should be planted where they are to mature, in rows 3 feet apart, 6 inches apart in the row. Celery Plants if topped a few times before and when transplanted into their permanent growing place will make shorter, stockier plants. Seeds offered on this page mailed at quoted prices.

EARLY VARIETIES

Easy Blanching (Private Stock, Penna. Grown). This is a very much improved type of Easy Blanching Celery, being superior in every way. The flavor is delicious, stalk very large and fine grained, the color all that can be desired. Plants set out in June are fully matured and ready for use the early part of September. The seed is grown for us by one of the leading Market Gardeners of Penna. who has made a specialty of celery for many years. Pkt., 15c.; \$1.00 per $\frac{1}{2}$ oz.; oz., \$1.75; \$5.50 per $\frac{1}{4}$ lb.

Easy Blanching. A splendid first early variety, being ready in October; produces enormous stalks which are very crisp. Pkt.,

10c.; 30c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb. Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy, and of excellent flavor; ready in October, but may be kept for early winter use. Pkt., 15c.; 65c. per $\frac{1}{2}$ oz.; oz., \$1.10; \$4.00 per $\frac{1}{4}$ lb.

Golden Self Blanching (American Grown Seed). Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

New York (New). One of the best in cultivation, very large and solid and of excellent quality. Self blanching. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

White Plume (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. Our strain of seed is very superior in every way. 5c. per pkt.; large pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ⅓ lĥ.

LATE WINTER VARIETIES

Emperor. Dwarf growing; very brittle and of extra fine flavor; a good winter keeper. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; $$1.20 \text{ per } \frac{1}{4} \text{ lb.}$

Giant Pascal. This is in its prime for use during February and March, and can be used well up into spring. Pkt., 10c.; ½ oz., 15c.; 30c. per oz.; ¼ lb., \$1.00; \$3.00 per lb.

New Columbia. A new variety of great merit; a medium tall sort, producing a large, heavy stalk; splendid keeper. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.

Winter King. Perfectly solid, crisp and of delicious flavor; good keeper. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb. Winter Queen. A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large for per lkt. large pkt. 10c.; 15c. per ½ og.; 20c.; 20c. large. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.

CELERY PLANTS (Ready in July)

Leading varieties. Per 100, 75c.; (by mail, 90c.); \$6.00 per 1000.

CELERY FOR FLAVORING (Not for Sowing) 10c. per oz.; ¼ lb., 20c.; 50c. per lb.

CELERY PAPER

For winter protection; 500 sq. ft. per roll. Price \$2.00 per roll. CELERY TAPE

Fast red, in 1000-yard spools, \$5.25 per spool (by mail, \$5.40). **CELERIAC** This vegetable is used for two purposes: the leaves are cut when

young and used to flavor soupsand meats; the roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 10c.; 15c. per ½ oz.; oz. 25c.; 75c. per ¼ lb.; lb., \$2.25.

CHAMOMILE

(Herb)

Pkt., 10c.; 35c. per ½ oz.; per oz., 60c.

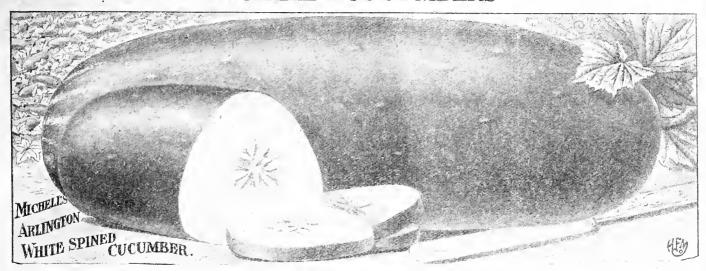
CITRON

This will be found described further under the heading of melons. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per 1/4 lb.; per lb., \$1.25.



See Swiss Chard, page 80

MICHELL'S CUCUMBERS



Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital.). One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed, in hills 4 feet each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants in a hill. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using. If the foliage is attacked beneath, by aphis or green fly, a spraying with Black Leaf 40 is usually very effective.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, often measuring 10 to 12 inches in length. Its color is dark green all over, and it is quite smooth and very productive. 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Early Fortune. One of the finest cucumbers of the White Spine type; medium length, and dark green in color, which it holds for a long time after picking; flesh white and very crisp. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.
Evergreen. The name is derived from the feature of its dark

Evergreen. The name is derived from the feature of its dark green color-retaining qualities; thick fruits, measuring about 8 to 9 inches long. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.50 per lb.

Gherkin or Burr Cucumber. For pickling only; the small fruits are roundish, about 2 inches long; very prickly when green. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 85c. per ¼ lb.; lb., \$2.75.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, and produces extra long light green fruits in abundance. Pkt., 10c.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.

Jersey Pickle or Green Prolific. This sort can be used for slicing but is best for pickling on account of its size, which averages 5 inches in length; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

All seeds on this page mailed post free at prices quoted.

Long Green Turkey. This is one of the large varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive; the fruits are formed almost as early as the short sorts; they are firm, crisp and have a fine flavor. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

White Spined (Michell's Arlington Improved). This cucumber is absolutely perfect in form, color, size and productiveness, and is therefore the leading sort, not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$1.50 per lb.

ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

	Pkt. 12 Seeds	100 Seeds
Lockie's Perfection	\$0.25	\$1.75
Sion House.	.25	1.75
Telegraph	.25	1.75
Tender and True	.25	1.75

WATER CRESS

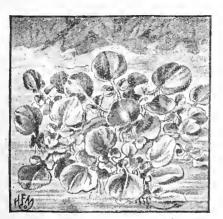
This desirable cress may be sown early in spring near the brink of a pond of spring water or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, reseeding itself.

True Erfurt. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

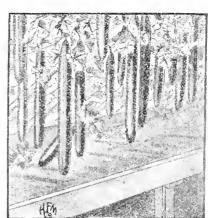
GARDEN CRESS

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without. Makes a very tasty salad.

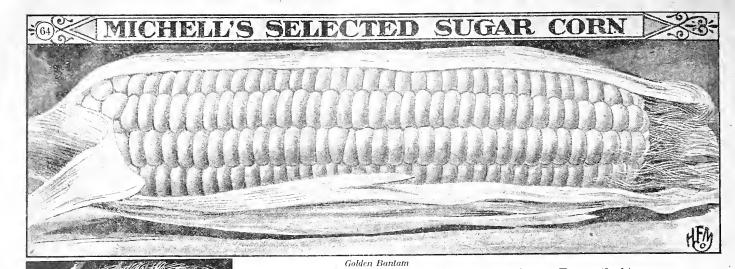
Extra Curled. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; 40c. per 14 lb.; lb., \$1.00.



Water Cress



English Greenhouse Cucumbers



 $1\frac{1}{2}$ lbs. will plant about 200 hills; 12 to 15 lbs. will plant an acre. to the hill. **PLEASE NOTE.**—Only varieties of Sugar Corn marked * can be supplied in $\frac{1}{2}$ lb. packages. Adams Extra Early. Pure white, medium sized ears, not entirely sweet. Pkt., 10c.; 20c. per lb. (by mail, 25c.) 2 lbs., 35c. (by mail, 45c.) 80c. per 5 lbs. (by mail, 95c); 10 lbs.,\$1.50 (by mail, \$1.75); \$3.50 per 25 lbs. Bantam Evergreen. A yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive, it is also claimed to be considerably earlier; a splendid variety for mid and late season planting. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs. Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and

10c.; 30c. per lb. (by mail, 35c.); 21bs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs. Early Mayflower. Slightly earlier than Golden Bantam. Stalk about 4 feet high; ears exceptionally long and well filled for an early Corn. The ears average 7 inches in length; grains tender and of excellent flavor. Pkt., 10c.; 30c. per lb. (by mail, 35c); 2 lbs., 55c. (by mail, 65c.); \$1.35 per 5 lbs. (by mail, 150); 10 lbs., \$2.50 (by

style, but is much earlier; produces large

well-shaped ears, with deep grains. Pkt.,

mail, \$2.75); \$6.00 per 25 lbs.
*Golden Bantam. While yellow in color, this is one of the sweetest and earliest corns. Ears medium size; kernels tender and delicious. The plant is of dwarf growth; we recommend it very highly for the home garden. Pkt., 10c.; 20c. per ½ lb. (by mail, 25c.); 30c. lb. (by mail, 35c.); 55c. per 2 lbs. (by mail, 65c.); 5 lbs., \$1.25 (by mail, \$1.40); \$2.40 per 10 lbs. (by mail, \$2.65); 25 lbs., \$5.50.

Golden Cream. A cross between Country Gentleman and Golden Bantam and com-

bines the excellent qualities of both. When picked ripe is a very light yellow; after being cooked it turns darker. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

Mais (Fr.); Welschkorn (Ger.); Grano Turco (Ital.)

Plant once a week from the time the ground is permanently warm until July 15th, 6 to 8 grains, in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 plants Early varieties should be planted for a late crop to be sure of maturity.

Howling Mob. A splendid sort for the market gardener, as well as for home use, Might be classed worm-proof, since the husk covers the ear completely and in a

tight fashion. It follows the Adams Extra Early types, which are not near so sweet. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

Ideal. The grower of this variety has been carefully selecting it for many years; it is

an exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored, and its extra early feature outweighs all other points against it. Pkt., 10c.; 20c. per lb. (by mail, 25c.); 2 lbs., 35c. (by mail, per lb. (by mail, 25c.); 21bs., 35c. (by mail, 45c.); 80c. per 5 lbs. (by mail, 95c.); 10 lbs., \$1.40 (by mail, \$1.65); \$3.25 per 25 lbs. Kendel's Early Giant. Large ears, deep

ears are very cylindrical. An ideal sort for the first and last planting. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

*Stabler's Extra Early. This is the standard sort for the home garden. The large ear is well arrayed with even grains, which cat is wen arrayed with even grains, which cook pure white and are very tender. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

TWO NEW CORNS

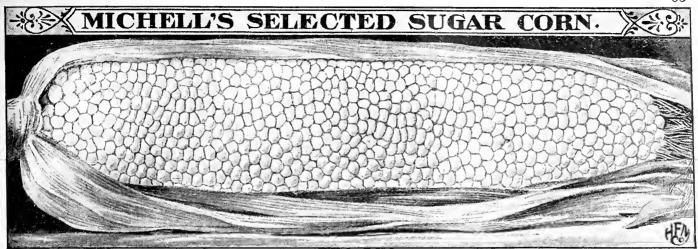
Golden Giant. The ear is about 11 inches long, well filled out from butt to tip, and very symmetrical. Deep golden yellow ears and plant much larger than Golden Bantam, while it is also in some localities earlier. The kernels are staged regularly on the cob, and are fairly large. Excellent quality and a heavy yielder. Pkt., 10c.; 20c. per ½ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.50; \$2.75 per 10 lbs., postpaid; 25 lbs., \$6.00, not postpaid.

Sugar Kernel. A splendid new variety, that is fully described and illustrated on

that is fully described and illustrated on page 50. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

For Field Corn, See Page 90.

Michell's Delicious (See page 65)



Country Gentleman (Michell's Improved Strain)

MEDIUM OR LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium-sized and are produced abundantly. medium-sized and are produced abundantly. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

*Country Gentleman (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the

cob. In sweetness it is unapproached, and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high; a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type of ears from stalks making a larger than usual yield. Pkt., 10c.; making a larger than usual yield. Pkt., 10c.; 20c. per ½ lb. (by mail, 25c.); lb., 30c. (by mail, 35c.); 55c. per 2 lbs. (by mail, 65c.); 5 lbs., \$1.25 (by mail, \$1.40); \$2.40 per 10 lbs. (by mail, \$2.65); 25 lbs., \$5.50.

Late Mammoth. Gigantic ears of extra fine quality, produced in great quantity. This

is the latest maturing and largest of all sweet corns. Pkt., 10c.; 30c. per lb. (by mail, 35c.): 2 lbs. 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

FOR FIELD CORN, see page 90

CORN POPPERS

Made of the best quality wire. Price includes handle and lid. 1 qt. size, 25c. each; 2 qt. size, 35c. each.



Little Gem or Shoe Peg (Ne Plus Ultra). This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); \$2.40 per 10 lbs. (by mail, \$2.65); \$5.50 per 25 lbs.

Michell's Delicious. Over twenty years ago this was selected by an old-time Philadelphia gardener, who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower in New England, with instructions to grow it for us exclusively and keep re-selecting it. The ears are well filled, medium in size and mature after the early varieties. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

*Stowell's Evergreen (Michell's Improved Strain). The best late corn grown. The ears are extra large, and produced in great abundance: stalks often grow to a height of 7 feet. In sweetness it is unexcelled, and for this reason it is the great favorite of the market and home gardener. Our strain has been re-selected and represents a distinct advance in every way of this splendid variety. Pkt., 10c.; 20c. per ½ lb. (by mail, 25c); lb., 30c. (by mail, 35c.); 55c. per 2 lbs. (by mail, 65c.); 5 lbs., \$1.25 (by mail, \$1.40); \$2.40 per 10 lbs. (by mail, \$2.65); 25 lbs., \$5.50.

Only varieties of Sugar Corn marked * can be supplied in ½ lb. packages.

POP CORN (Shelled)

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, buttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping.

Queen's Golden (Pops white). Lb., 15c. (by mail, 20c); 40c. for 3 lbs. (by mail, 50c.).

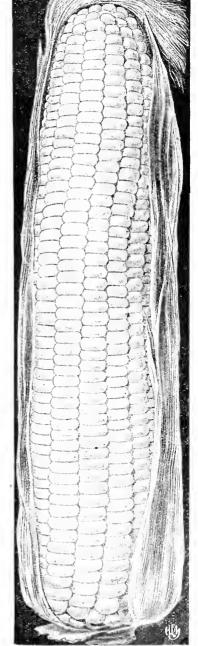
White Rice. Lb., 15c. (by mail, 20c.); 40c. for

3 lbs. (by mail, 50c.).

CORN SALAD (Fetticus) Mache Ronde (Fr.); Ackersalat (Ger.)

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

Large Leaved, Round Seeded. 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb.,



Stowell's Evergreen

MICHELL'S VEGETABLE SEEDS

All seed on this page mailed postpaid to purchaser at prices quoted.

DANDELION

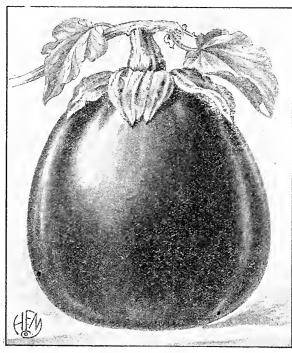
Pissenlit (Fr.); Loewenzahn (Ger.); Dente di leone (Ital.)

While this name applies to what is generally considered the most obnoxious of weeds, in cultivated form it is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring, thickly, in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a movable sash, or leaves, or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers.

Thick Leaved or Cabbaging. Pkt., 10c.; 50c. per $\frac{1}{2}$ oz.; oz., 90c.; \$3.25 per $\frac{1}{4}$ lb.

DILL. (Herb). (Annual).

Used extensively for culinary purposes and for putting with cucumbers when pickling, producing the famous "Dill Pickles." Pkt., 10c.; 20c. per oz.



Egg Plant, Black Beauty

EGG PLANT

Aubergine (Fr.); Eierpflanze (Ger.); Petonciano (Ital.) One ounce will produce about 2000 plants.

Sow seed in March in hotbeds, and when 3 inches high transplant into small pots or otherwise. Plant outdoors in May or June or after the weather has become permanently warm, in rows 3 feet apart, with the plants set 2 feet apart in the row.

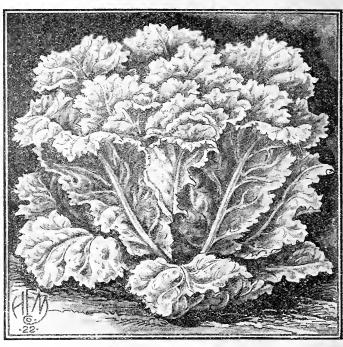
Black Beauty. An extra early, large variety, almost black in color; very prolific and with few seeds. Pkt., 5c.; 10c. per large pkt.; ½ oz., 25c.; 50c. per oz.; ¼ lb., \$1.75.

Michell's New York Improved. An old standard; quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; ½ oz., 25c.; oz., 50c.; ¼ lb., \$1.75.

EGG PLANT PLANTS

(Ready May 15th)

New York Improved, Black Beauty. Pot-grown. 10c. each; doz., \$1.00; \$7.00 per 100. Egg Plants cannot be mailed satisfactorily.



Endive, Broad Leaved Batavian

ENDIVE

Chircoree (Fr.); Endivien (Ger.); Indivia (Ital.)
One ounce will sow a row of 200 ft.

Sow from June to August in shallow drills, and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed, toward autumn, tie the plants together at the top with twine, but do this at a time when the leaves are dry. This is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in autumn and placed in a dry, cool cellar, covering the roots with soil.

Broad-Leaved Batavian (Escarolle). Leaves broad, light green, nearly plain. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Giant Fringed (Oyster Endive). A variety with a large white heart and broad fringed leaves; heads measure 15 inches in diameter. Pkt., 10c.; 20c. per oz.; ¼ lb. 60c.; \$1.50 per lb.

Improved Green Curled. An improvement over the common green variety, producing a larger head and thicker leaves. 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

White Curled (Self-blanching). This is the finest White Curled variety; always crisp and tender. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$1.50 per lb.

FENNEL (Herb)

Sweet. Pkt. 10c.; 20c. per oz.

FENNEL (Herb)

Florence. Pkt. 10c.; 20c. per ½ oz.; oz. 40c.

GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort. 35c. per lb. (by mail, 40c.); 5 lbs. for \$1.50 (by mail, \$1.65).

HERBS. Complete list on page 82.

MICHELL'S VEGETABLE SEEDS

ALL SEEDS OFFERED ON THIS PAGE MAILED POSTPAID AT PRICES OUOTED

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant. Hardy and rarely winter kills. The hops are gathered about September and stored for use on a dry floor, or hung in bags.

Green Variety, Pot-Grown Plants. 25c. each; doz., \$2.50; \$18.00 per 100

HORSERADISH ROOTS (Ready in March)

Set the roots in rows $2\frac{1}{2}$ feet apart, $1\frac{1}{2}$ feet apart in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar, covered with soil or sand; grate as wanted. A bed once planted remains for years.

Maliner Kren. A quick-growing variety and far superior to the common variety. Large cuttings, 35c. per doz.; per 100, \$1.75 (by mail, \$1.90); \$15.00 per 1000.

KALE OR BORECOLE

Chou Vert (Fr.); Blatterkohl (Ger.); Cavolo Verde (Ital.) One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre. For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover

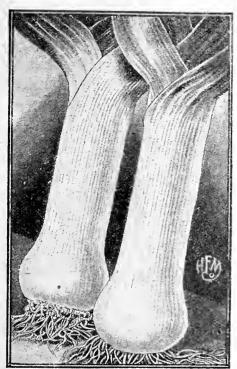
for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

Dwarf Green Curled. This variety is very dwarf and compact, rarely attaining a height of over 6 inches. The color is dark green; curly. Pkt., 10c. 15c. per oz.; ¼ lb., 45c; \$1.35 per lb.

Imperial Long Standing. The leaves are very crimpy, dark green color. Stands quite tall, an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per ¼ lb.; \$1.25 per lb.

Siberian. A very hardy variety, leaves large and cook very tender. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

See pages 49 to 53 for Vegetable Seed Specialties.



Giant Carentan Leek



KOHL-RABI

Chou Rave (Fr.); Kohl-Rabi (Ger.); Cavolo rapa (Ital.)

One ounce will produce about 2500 plants

It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial suggest to those who have not given it a trial that they do so. Sow seed in early spring in hotbeds or outdoors and transplant when 3 inches high, in rows 18 inches apart, 6 inches in the row. The edible part is the root, which grows above the ground; this should be used when it attains a size of $2\frac{1}{2}$ inches in diameter or less; at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

Blue or Purple Vienna. The flesh is white, skin, a bluish color. Principally used for outdoor sowing. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.

Early White Vienna. This variety is suited for sowing under glass and for outdoors.

The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 5c.; 10c. per large pkt.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.



Pkt., 10c.; 25c. per ½ oz.; oz., 45c.

LAVENDER PLANTS

Each, 25c.; \$2.50 per doz.; per 100, \$18.00.

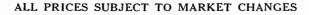
LEEK

Poireau (Fr.); Lauch (Ger.); Porro (Ital.) One ounce of seed will produce about 2500 plants.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups; also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows I foot apart, covering the seed about an inch; when about 4 inches high transplant where it is to develop, in rich soil in rows 18 inches apart 6 inches in the row. When fully grown, hill soil against them to blanch them; about November 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality; splendid for exhibition purposes. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ½ lb.; lb., \$2.50.

London Flag. Popular for the home garden. Makes a longer but narrower stalk than others. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.; lb., \$2.50.



MICHELL'S CHOICE STRAINS OF LETTUCE

All Prices on this page, include postage.

HEADING VARIETIES

Laitue (Fr.); Lattich Salat (Ger.); Lattuga (Ital.)
One ounce of seed will produce about 2500 plants.
All Heart. An excellent lettuce for either spring or summer use.

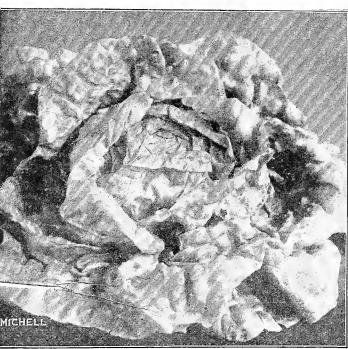
The head, while large, has a loose heart, which is of a decided buttery flavor; can be used for sowing in frames, or in spring and early summer outdoors. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

All Right (Michell's). This is not a variety for forcing, but rather

for an early spring crop in the hotbed or outdoors, and for sowing in August for late autumn under sash or outside; it is not affected by cold, which, with some sorts turns them brown; on the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

Big Boston. A large, flat, cabbage-headed variety; splendid for midsummer or fall use, or under glass in the early spring and autumn; a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 10c.; 15c. per $\frac{1}{2}$ oz.; oz., 25c.; 60c. per $\frac{1}{4}$ lb.; lb., \$2.00.

Boston Market (White Seeded Tennisball). Early, small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb-, \$2.00.



Davey's Improved Big Boston Lettuce

Davey's Improved Big Boston. This strain is superior to the usual strain of Big Boston; heads larger, more solid and of better flavor; excellent for under glass or for midsummer or Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 80c. per fall outdoors.

fall outdoors. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 80c. per ¼ lb.; lb., \$2.25.

Dutch Butter (*Private Stock*). A medium-sized head; light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or outdoor planting. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

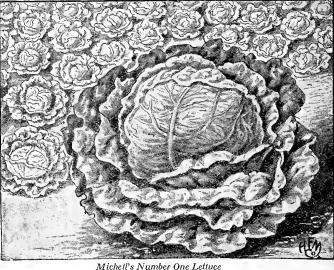
Hanson Improved. Tremendous solid heads; the outer leaves are given the interior is almost white and way the law to the leaves.

are curled, the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces

the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

Iceberg. A splendid variety, producing large, solid heads; very firm, crisp and fine flavor; leaves curly. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

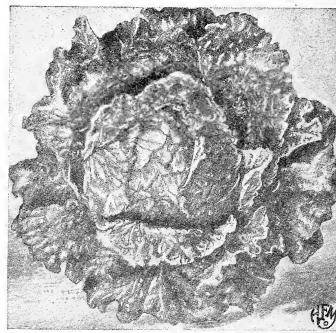
May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size, with tender, full heart. Suitable for sowing under sach in early spring. 5c. per pkt.: large pkt., 10c.; sowing under sash in early spring. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.



Michell's Number Ône. This lettuce is a positive header under most trying conditions. It is tender, of a decided buttery flavor, and unusually large. A valuable type for hot weather; also desirable for autumn use. Should not be used for forcing. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ½ lb.; lb., \$2.00.

New York or Wonderful. Of the cabbage-headed sorts this is a

leader; the color is dark green, with white interior; the heads are large, with curled outer leaves; popular kind for summer. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.; lb., \$3.25.



Prize Head Lettuce

Prize Head. A splendid loosely-formed head, claimed to do well where all others fail; desirable for outdoor planting only; has a dark tinge on the outer leaves. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 50c. per ¼ lb.; lb., \$2.00.

Salamander (Mammoth). One of the best midsummer varieties,

resisting heat and drought, and remains in heading condition longer than many others. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.;

60c. per ¼ lb.; lb., \$2.00.

Unrivaled. Very large, light green and of a crisp nature; very desirable for summer use. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.;

70c. per ¼ lb.; lb., \$2.50.

(ayahead. The earliest hard heading lettuce in cultivation, doing well either under glass or in the open, in spring or autumn. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

MICHELL'S CHOICE STRAINS OF LETTUCE—Continued

LOOSE LEAF OR CUTTING VARIETIES

ALL SEEDS on this page mailed postpaid at prices quoted

For early or midsummer use seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class of lettuce is always tender.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

Early Curled Simpson. A splendid curly-leaved sort; loose heads and very tender. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color, and when given plenty of room will form a large loose head. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 60c. per ¼ lb.; lb., \$2.00.

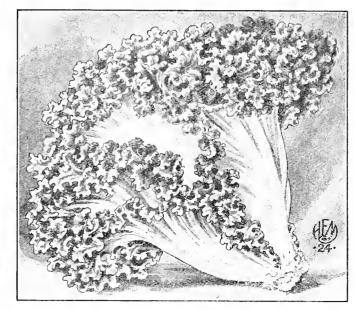
COS. ROMAINE OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth; it has a decided flavor. To have it tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. 5c. per pkt.; large pkt., 10c.; 15c. per ½ 0z.; 0z., 25c.; 60c. per ¼ lb.; lb., \$2.00.

Shelter Island Heights, N. Y.
I would like to let you know that your Romaine Lettuce is the finest we have ever grown.

Mrs. J. F. B.



Lettuce, Grand Rapids

LETTUCE PLANTS

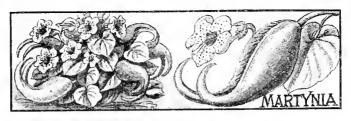
We can supply these (at all seasons) in heading varieties only, of our selection. 25 for 20c.; 75c. per 100 (postpaid, 85c.); per 1000, \$6.00.

LETTUCE GARNISHINGS

Chervil. One of the most delicious flavoring plants in cultivation. The leaves are finely cut and mixed with the lettuce, or distributed as gathered, on top. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 90c. per ¼ lb.; lb., \$2.75.

Chives. These possess a delicate onion flavor; adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. Strong plants, 15c. each; doz., \$1.50; \$10.00 per 100.

Tarragon (*Estragon*). Perfectly hardy, and once established remains for years; the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants, 30c. each; doz., \$2.50; \$18.00 per 100.



MARTYNIA (Unicorn Plant)

A bushy plant growing 2 feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked may be pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way. **Proboscidea.** Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.

MINT (HERB)

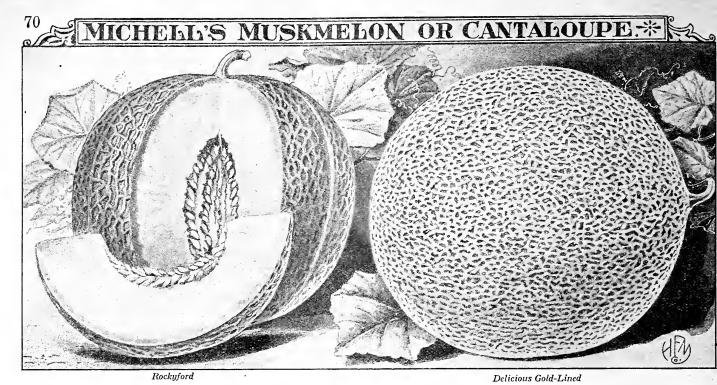
Pkt., 25c.; 65c. for 3 pkts.

MINT PLANTS

Spearmint. 20c. each; doz., \$1.50; \$10.00 per 100. **Peppermint.** 20c. each; doz., \$1.50; \$10.00 per 100.



Lettuce, Kingsholm Cos



Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.) One ounce will plant about 50 hills; 2 to 3 lbs. are required for an acre.

All seeds on this page mailed postpaid at prices quoted

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants in a hill. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox, Arsenate of Lead, or some of the various Nikoteen preparations. When the vines have made a good start, they are not bothered with insects thereafter.

Delicious Gold Lined. Flesh thick, fine-grained and sweet; color green, with a gold margin next to the seed cavity; slightly oval and heavily netted. A variety which every melon planter should not overlook to include in his list. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per 1/4 lb.; lb., \$2.25.

Emerald Gem. Among the standard varieties, this has long been a leader. Flat shape; the flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons when you eat once of you remember for a long while. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; an early variety, and always prolific. The netted rind is very thin and the melon can be eaten very close thereto. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Honey Dew. A late maturer, it might easily be termed a family melon because one is large enough for a number of people. It is large in size, being 6 inches in diameter and from 7 to 8 inches long. The skin is smooth with an occasional net, and creamy white. The skin is smooth with an occasional net, and creamy white. The thick flesh is emerald green, melting, and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using. In fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Jenny Lind. A small, flat, very early sort; heavily netted and ribbed; green flesh; an altogether good variety to plant with others, using this for the first picking. 5c. per pkt.; large pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large, irregular pumpkin-shaped melons, with a smooth, silver-gray rind. The flesh is very deep orange-salmon. See illustration on page 51. Pkt., 20c.; 70c. per ½ oz.; \$1.25 per oz.; per $\frac{1}{4}$ lb., \$4.00.

Rockyford (Improved Strain). The outside is a light green, changing to a grayish color; well netted. It is mostly all meat, with a very small seed cavity, and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers. Blenheim Orange, Invincible-Scarlet, Windsor Castle.

Each variety per pkt., 30c. Sutton's A1. In original packets, \$1.25 per pkt. MFLON NETS. For supporting forcing melons in green-houses; made very strong; will last for a number of crops. \$2.50 per doz.; per 100, \$18.00.

MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used

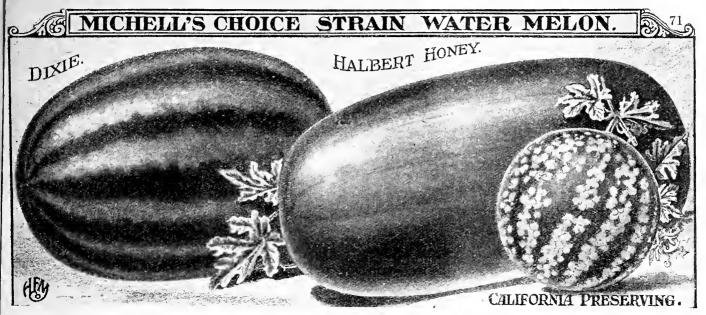
while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. If the plant is allowed to stand, the seed can be harvested and used for other culinary purposes. SouthernGiantCurled.

The best of the curled mustards; of sweet flavor; matures very early and produces abundant foliage. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.00 per lb.

hite or Yellow. Pkt., 5c.; 10c. per large pkt. oz., 15c.; 35c. per 1/4 lb.; lb., 85c.



Mustard, Southern Giant Curled



Melon d'eau (Fr.); Wasser Melone (Ger.); Melone d'aqua (Ital.)

One ounce will plant thirty hills, four pounds for an acre. Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every 3 feet. A little land plaster dusted over the young plants will keep beetles away. Watermelons require planting after the soil has become thoroughly warm, say about May 10th in the latitude of Philadelphia. Our list of watermelons is limited, as we offer only the varieties which from experience we know are the better ones. Note.—Watermelon seed sent postpaid at prices quoted.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; 1/4 lb., 40c.; \$1.25 per lb.

Halbert Honey. An ideal family garden, or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Kleckley Sweets. A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich led meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Tom Watson. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh, which is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough, it will resist plenty of abuse. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

PRESERVING MELON OR CITRON

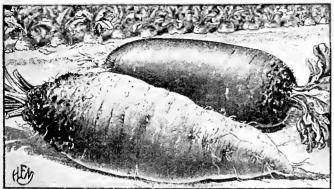
A large-fruited variety; pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

California Red Seeded. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per ½ lb.; lb., \$1.25.

MANGEL-WURZEL OR CATTLE BEETS

Seed selected from specimen roots.

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep, hogs and poultry.



Michell's Mammoth Long Red and Golden Tankard Mangels

See page 58 for Table Beets

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. 10c. per oz.; 14 lb., 25c.; 75c. per lb. (by mail, 80c.); 5 lbs., \$3.25 (by mail, \$3.40).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. 10c. per oz.; ¼ lb., 25c.; 75c. per lb. (by mail, 80c.); 5 lbs., \$3.25 (by mail, \$3.40).

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. 10c. per oz.; 14 lb., 25c.; 75c. per lb. (by mail, 80c.); 5 lbs., \$3.25 (by mail, \$3.40).

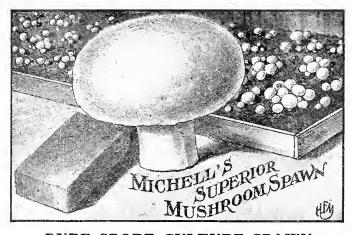
Red Globe. An excellent sort; very prolific; good for late planting. 10c. per oz.; ¼ lb., 25c.; 75c. per lb. (by mail, 80c.); 5 lbs., \$3.25 (by mail, \$3.40).

ALL SEEDS offered on this page mailed at quoted prices except Mangel-Wurzel.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains a mine of information on things horticultural and agricultural. There is a free copy for you.

MICHELL'S VEGETABLE SEEDS, ETC.



PURE SPORE CULTURE SPAWN

The growing of Mushrooms is rapidly increasing, and the demand for them has reached immense proportions. A fine crop of mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses and sheds can be used for their culture. We are now offering our customers spawn that is made in quart milk jars under absolutely sterile conditions. The bottle and materials are sterilized under steam pressure of twelve lbs., so that every mould, weed seed or insect is destroyed and each bottle contains nothing but the pure spawn. Every particle is full run, covered with spawn grown direct from the spores. One carton of the spawn equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The sterile spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the spawn should be used, but full particulars about growing mushrooms. Any one can order spawn and with it get the necessary knowledge to make growing entirely successful.

PRICES

Per carton	25 cartons\$21.25
12 cartons	60 cartons 48.00

If wanted by mail, allow 10c. per carton for postage.

PURE CULTURE BRICK SPAWN

A crop is produced with good spawn, and a little care and patience in about 4 to 6 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture. One Brick will spawn 8 to 10 sq. ft.

			April to October.
Direct No. 9.	Pure White. F	or use from O	ctober to April.
Per Brick	\$0.35	Per 10 Bricks	s
Per 5 Bricks	1.50	Per 25 Bricks	s 6.50
	ks		

If wanted by mail, allow for postage at the rate of 10c. per brick.

BOOKS ON GROWING MUSHROOMS

Pamphlet (Gratis for a postal card asking for it).	
Mushroom Culture (Duggar)	\$2.00
Mushrooms, How to Grow (Falconer)	1.60



MUSHROOM OR HOTBED THERMOMETERS

Prices of all seeds quoted on this page (except Mushroom Spawn and Onion Sets) postpaid.

OKRA OR GUMBO

Gombo (Fr.); Ocher (Ger.); Ocra (Ital.)
One oz. will plant a row about 100 feet long; 2 lbs. are required for 3000-foot row.

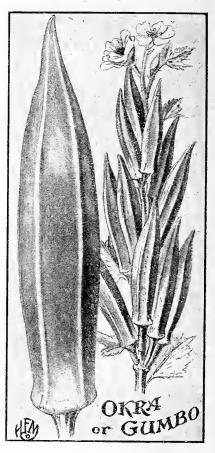
The seed is sown in rows, thickly, like peas (in ground that is rich), after the frost and cold have disappeared, the rows, 3 feet apart; when about 6 inches high the plants should be thinned out

to stand 6 inches apart in the row. The pod is used when young and tender, sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain). A wonderful dwarf type, setting pods when the plants are only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. 5c. per pkt., large pkt., 10c.; 15c. per oz.; ½ lb., 30c.; 75c. per lb.

loc.; 15c. per oz.; 4
lb., 30c.; 75c. per lb.

White Velvet or
Creole. The pods of
this variety are very
free from ridges, being
almost perfectly smooth;
they are tender and very
light green, almost white
in color. Pkt., 10c.;
15c. per oz.; 4 lb.,
30c.; 75c. per lb.

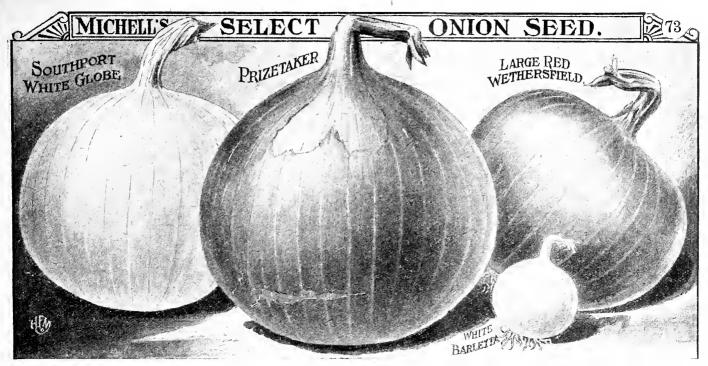


ONION SETS

One quart will plant a row about 50 feet. Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover), in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion, on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready often in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested.

Prices on larger quantities of Onion Sets will be quoted on request.



Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.)

To grow full size onions, one ounce of seed will sow a 100-foot row; 5 to 6 pounds are required per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when 3 inches high, so that they stand about 2 or 3 inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.35 per ⅓ lb.; lb., \$4.00.

Bermuda White. An early variety, with immense flat, partially globe-shaped bulb, producing (when transplanted about 4 inches apart) gigantic onions the first season. In the raw state it is very mild, while when cooked, the flesh is tender and of a delicious flavor. For slicing it is one of the best. Pkt., 10c.; 25c. per ½ 0z.; oz., 40c.; \$1.25 per ½ lb.; \$4.00.

Danvers Yellow Globe. This almost round-shaped onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to a large size. 5c. per pkt.; large pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 80c. per ½ lb.; lb., \$3.00.

Large Red Wethersfield. A flat, large growing variety. The red onions are excellent winter keepers; flavor much like the yellow sorts; full-size onions can be grown in one season. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$3.50.

Prizetaker. A mammoth yellow variety; if sown thinly it produces full-size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. or more each. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ½ lb.; lb., \$3.50.

Southport White Globe. A beautiful type of an almost round onion, growing to an enormous size. This is perhaps the best onion of all for family use. The flesh when cooked is of a rich milky color, of tender and delicious flavor, and in the raw state it is one of the mildest. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.20 per ¼ lb.; lb., \$3.25.

White Barletta. Extra early small round variety, used principally for pickling. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.; lb., \$4.00.

White or Silver Skin. The standard white onion for market or home use; it is of very mild flavor; semi-globe shaped and very uniform in growth and size. Pkt., 5c.; 10c. per large pkt.; ½ oz., 20c.; 40c. per oz.; ¼ lb., \$1.35; \$4.50 per lb.

Yellow Strasburg or Dutch. A dark straw color skinned sort; almost flat in shape, but a large onion. Its fine keeping qualities is what recommends itself to the home, as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets, more of this variety is sold than any other. One of the best winter keepers. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; 85c. per ¼ lb.; lb., \$3.00.



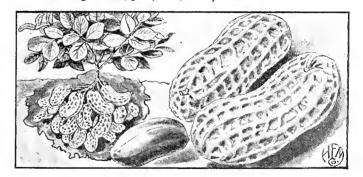
We make a specialty of Choice Onion Sets (see Page 72).

PEANUTS

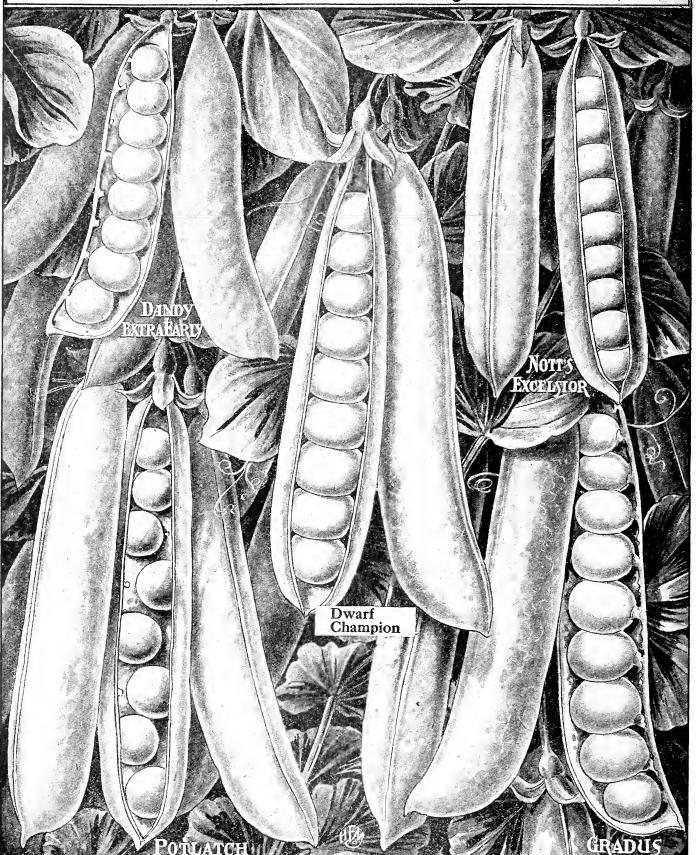
Arachide (Fr.); Erdnuss (Ger.); Cece de terra (Ital.)
One bushel nuts unshelled will plant an acre, but shell
must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen.

Selected Virginia. ½ lb., 20c.; 40c. per lb.



74 MICHELL'S CHOICE GARDEN PEAS **



MICHELL'S CHOICE GARDEN PEAS

Pois (Fr.); Erbsen (Ger.); Pisello (Ital.)

2 lbs. will plant 100 ft. of row; 90 to 120 lbs. per acre.

The smooth-seeded varieties may be sown as soon as the ground can be worked; the wrinkled sorts when the ground has become warmer. The distance apart for planting depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and a final planting again about August 15th. For the last planting use the dwarf early varieties.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded; very early; height 2½ feet. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Ameer. This is referred to sometimes as "Large Podded Alaska," on which it is a distinct improvement; smooth seeded; very on which it is a distinct improvement; smooth seeded; very early; height about 2½ ft. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Dandy Extra Early. A selection of the Eureka, but far superior;

mouth seeded; very prolific and desirable for the kitchen and market garden; height, 24 inches. Pkt, 10c.; 15c. per ½ lb. (by mail, 20c.); lb., 30c. (by mail, 35c.); 60c. per 2 lbs. (by mail, 70c.); 5 lbs., \$1.40 (by mail, \$1.55); \$2.60 per 10 lbs. (by mail, \$2.85); 25 lbs., \$6.00.

mail, \$2.85); 25 lbs., \$6.00.

Early June. A green seeded, smooth pea, desirable for first planting; height, 2½ feet. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Early Morn. One of the earliest wrinkled peas. Pods large and well filled; very prolific; height, 3 feet. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Early 8 Weeks. A wrinkled variety, growing 12 to 15 inches high and commencing to bear 6½ weeks after planting; a

high and commencing to bear 6½ weeks after planting; a heavy cropper and especially desirable where room is scarce. Pkt., 10c.; per lb., 35c.; 60c. for 2 lbs.; 5 lbs., \$1.35; \$2.50 for 10 lbs., postpaid; 25 lbs., \$5.25, not prepaid.

Gradus or Prosperity. Never was there a pea offered which is so largely demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Laxtonian. An extra fine early, dwarf sort; pods are large and well filled with peas of extra fine quality; height, 18 inches. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and

\$3.00); \$6.50 per 25 lbs.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pkt., 10c.; 35c. per 1b. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Michell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender; a grand yielder; height, 24 inches. Pkt., 10c.; 30c. per lb. (by mail, \$35c.); 2 lbs., 60c. (by mail, 70c.); \$1.40 per 5 lbs. (by mail, \$1.55); 10 lbs., \$2.60 (by mail, \$2.85); \$6.00 per 25 lbs.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. Height, 15 inches. Pkt., 10c.; 35c. per 1b. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early. It grows about 16 inches high, and makes a long, broad pod, well

It grows about 16 inches high, and makes a long, broad pod, well filled. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

The Pilot or Leader. The earliest of round-seeded varieties. The pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high, and produce an abundance of pods. The peas are of finest flavor. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Thos. Laxton. Heavy producer; wrinkled, exceedingly early; pods are large and filled with large peas of excellent flavor. Its heavy cropping qualities make it suitable for an early crop in the private garden; height, 36 inches. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

SECOND EARLY VARIETIES

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. Pkt., 10c.; 30c. per lb. (by mail, 35c.); 2 lbs., 55c. (by mail, 65c.); \$1.25 per 5 lbs. (by mail, \$1.40); 10 lbs., \$2.40 (by mail, \$2.65); \$5.50 per 25 lbs.

Daisy or Dwarf Telephone. One of the best medium early sorts,

bearing large pods in the greatest abundance; wrinkled and very

sweet; height, 18 inches. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.25 per 25 lbs.

Potlatch. A wrinkled variety, similar to Daisy; sweet; pods well filled with peas; height, 18 inches. Pkt., 10c.;35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Yankee Prince. A large podded wrinkled sort; heavy yielder; pods often measure 6 inches in length, and well filled with large peas of delicious flavor; height, 4 feet. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

GENERAL OR LATER CROP VARIETIES

Champion of England. A very tall, rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 ful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Many of the old-time gardeners still cling to this as their favorite. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

*Dwarf Champion. Possesses most all the good qualities of the famous Champion of England, and has the further advantage of

namous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted extensively; height, 2 feet. Pkt., 10c.; 15c. per ½ lb. (by mail, 20c.); lb., 30c. (by mail, 35c.); 60c. per 2 lbs. (by mail, 70c.); 5 lbs., \$1.40 (by mail, \$1.50); \$2.60 per 10 lbs. (by mail, \$2.85);

25 lbs., \$6.00.

25 lbs., \$6.00.

Long Island Mammoth. A very large podded semi-wrinkled variety; a great favorite with the market gardener; heavy yielder; height about 2½ feet. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. Pkt., 10c.; 35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50 per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.50 per 25 lbs.

\$6.50 per 25 lbs.

SUGAR OR EDIBLE POD PEAS
This type produces large, well-filled pods. They are cooked

with the peas intact; very tender and exceedingly sweet.

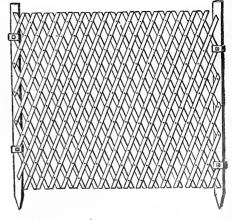
Dwarf Gray Sugar. Gray seed; height, 2 feet. Pkt., 10c.;

35c. per lb. (by mail, 40c.); 2 lbs., 65c. (by mail, 75c.); \$1.50
per 5 lbs. (by mail, \$1.65); 10 lbs., \$2.75 (by mail, \$3.00); \$6.25

Tall Melting Sugar. Gray seed; height, 4 feet. Pkt., 10c.; 40c. per lb. (by mail, 45c.); 2 lbs., 75c. (by mail, 80c.); \$1.75 per 5 lbs. (by mail, \$1.90); 10 lbs., \$3.25 (by mail, \$3.50); \$7.50 per 25 lbs.

No. 1—MANIFOLD PEA TRELLIS (Wood)

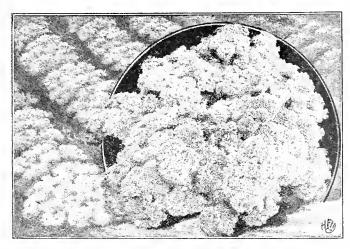
The ideal arrangement for Sweet Peas and Garden Peassup-When fully ports. opened it makes a trellis 19 ft. long and this is varied according to the height of the plants it is to support. Positively the best of its kind that has ever come to our notice. It can be set up in 5 minutes, taken down in less and folds so that it occupies a very small space. Complete and ready to put up; stained green. Each, \$3.00; doz., \$32.50.



NITROGEN BACTERIA FOR PEAS

See page 88.

MICHELL'S VEGETABLE SEEDS



Double Curled Parsley

PARSLEY

Persil (Fr.); Petersilie (Ger.); Prezzemolo (Ital.) One ounce will sow a row 100 ft. long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per ½ lb.; lb., \$1.25.

Double Curled or Covent Garden. A great improvement over all other varieties; nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.50 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c.; 15c. per oz.; ½ lb., 45c.; \$1.25

All seeds offered on this page (not plants) mailed postpaid at quoted prices.

PARSLEY PLANTS (Ready in April)

Large specimens; pot-grown, ready for use. 10c. each; doz., \$1.00; \$7.00 per 100. These plants cannot be mailed satisfactorily.

PARSNIP

Panais (Fr.); Pastinake (Ger.); Pastinaca (Ital.)

One ounce will sow a row 150 feet long; 5 lbs. per acre. Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, thin out so the roots will develop; cultivate well during the growing

Improved Sugar or Hollow Crown. A very thick, broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 5c.; 10c. per large pkt.; ½ oz., 15c.; 25c. per oz.; ¼ lb., 65c.; \$2.25 per lb.

PENNYROYAL (Herb)

Pkt., 10c.; 40c. per ½ oz.; oz., 75c.

PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.) One ounce produces 1200 plants.

Sow the seed in a hotbed or window box about March 1st. Transplant to the open ground when all danger from frost is over,

in rows 3 feet apart, 15 inches apart in the row.

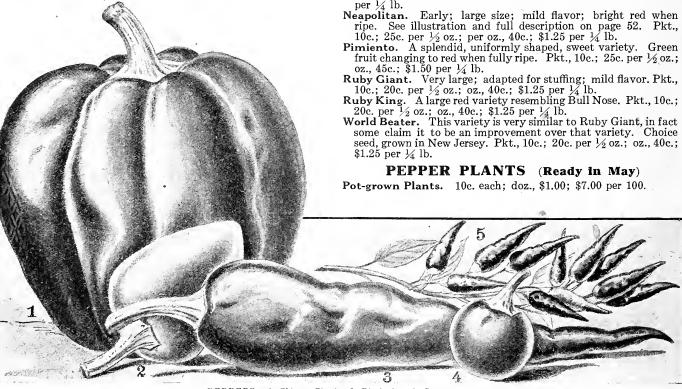
Bell or Bull Nose. Very thick flesh; a great producer. The large fruits are green, turning to vivid scarlet; fine for slicing on tomatoes, or stuffed as mangoes. Pkt., 5c.; 10c. per large pkt.; ½ oz., 20c.; 40c. per oz.; ¼ lb., \$1.25.

Cayenne. A long red variety; very hot and used principally for bunching 110 mently by the potherbs. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.;

\$1.25 per 1/4 lb.

Chinese Giant. A monster pepper; perfectly sweet; green fruit, turning bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 35c. per ½ oz.; oz., 65c.; $2.25 \text{ per } \frac{1}{4} \text{ lb.}$

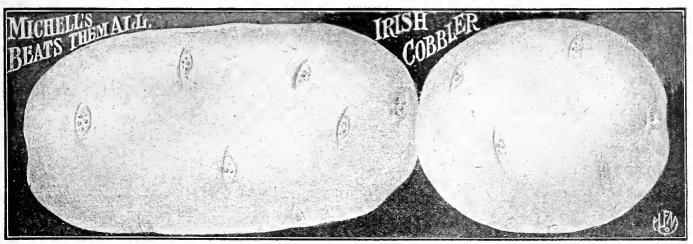
Golden Dawn. A large yellow variety, shaped like the Chinese Giant; very sweet. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per ¼ lb.



1, Chinese Giant. 2, Pimiento. 3, Cayenne.

MICHELL'S MAINE-GROWN SEED POTATOES

Pomme de Terre (Fr.): Kartoffel (Ger.): Patata (Ital.)



TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship at customer's risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 75c. each for barrels.

Beats Them All (Michell's). This famous variety has given the best results wherever tried, vielding more than any other early potato; quality fine; extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

Bliss Triumph, or Red Bliss. A very early thin skinned variety; they are frequently offered as Southern or Bermuda potatoes. Dibbles Russet. A splendid late variety, claimed to be absolutely

rust and blight proof; medium size; oval or flat in shape. Early Rose (Houlton or Maine). A leading variety for earliness,

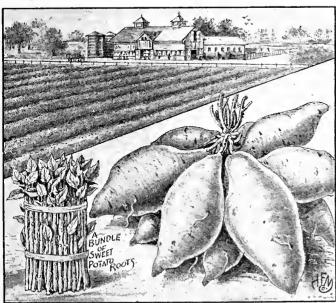
quality and productiveness; pink skin; oblong shape.

Gold Coin. This potato seems to be in great demand, though by no means a new one. It is large, somewhat roundish flat and a wonderful cropper; a late maturer.

Green Mountain. An excellent general crop variety; white, roundish flat.

Jersey Red Skin. These are especially adapted for planting in light, sandy soil late in June and in early July. They are oval shaped, medium size and cook pure white.

State of Maine. An old favorite, grown by every gardener; good keeper; flat in shape.



Sweet Potatoes

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. Per 100, 75c.; (by mail, 90c.); \$5.00 per 1000. Not less than 100 plants can be furnished. We regret we cannot supply tubers of sweet potatoes.

Prices on Seed Potatoes are established about March 1st.

HYBRIDIZED POTATO SEED

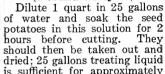
Growing new and distinct Seedling Potatoes from the seed is intensely interesting. Pkt., 15c.; 25c. for 2 pkts.

CONCAVE POTATO KNIFE

Made of best steel with concave blade. Price, 45c. each.

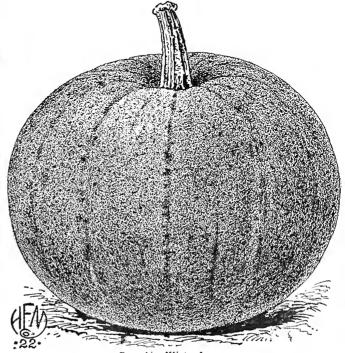
POTATO SCAB

DESTROYER (Formaldehyde)

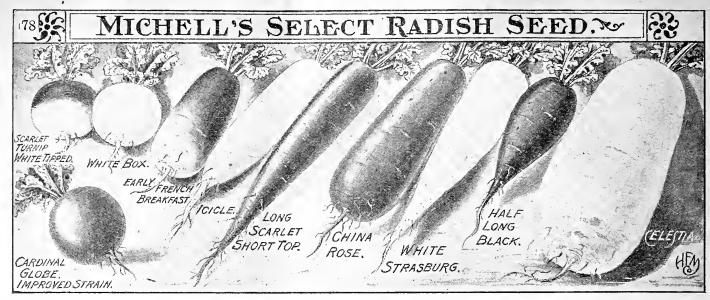


is sufficient for approximately 85c. per pt. (cannot be sent parcel 15 bushels of potatoes. post).





Pumpkin, Winter Luxury (For list of varieties of Pumpkins, see page 78.)



Radis (Fr.); Radies (Ger.); Ravanelli (Ital.)

One ounce of seed will sow a row about 75 feet long; 8 to 10 lbs. are required for an acre.

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in a cool cellar and covered with sand.

EARLY VARIETIES

Crimson Giant. Early; globe shaped and of large size. Pkt. 10c.; 15c. per oz.; ½ lb., 50c.; \$1.50 per lb.

Early French Breakfast. Oblong shape; rapid grower; very mild and tender; of a beautiful scarlet color, tipped with white. Pkt., 10c.; 15c. per oz.; 1/4 lb., 45c.; \$1.50 per lb.

Early Scarlet Globe (Special Forcing). A popular variety for hot-bed or greenhouse forcing; also valuable for outdoor planting; very early, crisp and mild. See illustration on page 53. Pkt., 10c.; 25c. per oz.; ½ lb., 70c.; \$2.50 per lb.

Icicle (Improved Strain). A magnificent white variety of fine taste; grows 3½ to 4 in. long in 22 days. Also suitable for summer sowing. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Long Scarlet Short Top, or Salmon. A favorite variety; long, bright scarlet with small top. Pkt., 10c.; 15c. per oz.; ½ lb., 45c.; \$1.25 per lb.

Round Red Forcing, or Button. Very quick in maturing; splendid for hotbed or garden culture. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

Scarlet or Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form. The color and shape, a vivid scarlet oval form, are perfect. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

Scarlet Turnip, White Tipped. Fine early scarlet variety with white tip. Pkt., 10c.; 15c. per oz.; ½ lb., 45c.; \$1.25 per lb. White Box, Felton's (*Private Stock*). A selection of the old reliable White Box radish; more perfect form, producing shorter tops and does not have a tendency to grow long in shape. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; ½ lb., 45c.; \$1.25 per lb.

SUMMER AND WINTER VARIETIES

Celestial, or White Chinese. Large size; pure white; excellent keeper. Pkt., 10c.; 15c. per oz.; ½ lb., 45c.; \$1.25 per lb. China Rose. Bright rose color; flesh firm; one of the best for winter use. Half-long in shape with a scarlet blunt tip. Pkt., 10c.; 15c. per oz.; ½ lb. 45c.; \$1.25 per lb.

10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.20 per lb.

White Strasburg. Oblong; of a pure white color and mild flavor; a splendid variety for summer. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

NOTE—All seeds offered on this page are mailed postpaid at prices quoted.

PUMPKIN

Potiron (Fr.); Kurbis (Ger.); Zucca (Ital.) One ounce will plant 25 hills; 4 to 6 lbs. for an acre. See illustration, page 77.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines, they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.

Cashaw, or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 10c.; 20c. per oz.; ½ lb., 65c.; \$2.00 per lb.

Connecticut, or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Japanese Pie. A crook-necked variety; deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; \$2.00 per lb.

King of the Mammoths. This variety grows to an enormous size; orange-salmon skin, bright yellow flesh, fine grained and of excellent quality for pies. Pkt., 10c.; 20c. per oz.; 65c. per ½ lb.; lb., \$2.00.

Large Cheese. A very large, flat-ribbed fruit, of a beautiful, buff yellow color; the interior is of fine quality. An enormous producer; ideal for market, home gardens and canning purposes. Pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1,50 per lb.

Pkt., 10c.; 15c. per oz.; ½ lb., 50c.; \$1.50 per lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit, with a very light buff yellow skin. For pies it is delicious while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ½ lb.; lb., \$2.00.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner is complete without the palatable pumpkin pie made from this variety. This is also used for making Jack-o-Lanterns, for which purpose it is well suited, on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh is golden orange when ripe. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

MICHELL'S VEGETABLE SEEDS

NOTE.—All seeds on this page sent postpaid at quoted



RHUBARB (See Illustration above)

Rhubarbe (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.) Seed should be sown outdoors in April in rows 3 ft. apart. The following spring the roots should be transplanted into permanent beds and placed 3 feet apart each way; the year following that, or two years after sowing the seed, the rhubarb may be used. Do not cut rhubarb, pull it so that it comes out whole from the crown. Roots may be planted in October or in the Spring up to May 15th. Victoria. Immense long stalks of a cherry-red color; a most popular variety. Pkt., 10c.; 20c. per oz.; 65c. per ¼ lb.; \$2.25 per lb.

RHUBARB ROOTS

Victoria, First Size Roots. 15c. each (by mail, 20c.); doz., \$1.50; \$10.00 per 100.

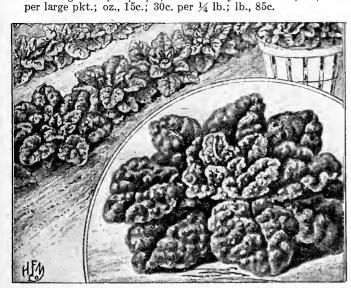
Victoria, Mammoth Roots. For forcing, or outdoor planting. 35c. each (not mailable); doz., \$3.50; \$6.25 for 25; 100, \$22.50.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart, and when 3 inches high, thinned out. Ruta Bagas should not be sown before the 1st of August in the Philadelphia latitude; if sown too

early they develop long instead of round roots.

Private Stock Purple Top Yellow. This is the perfect ideal
Ruta Baga. Top is purple, the bottom yellow. Pkt., 5c.; 10c.



Spinach, Michell's Improved Strain Bloomsdale

VARIOUS HERBS

Partial list, in alphabetical order. For	complet	e, conde	ensed,
list see page 83.	Pkt.	$\frac{1}{2}$ oz.	Oz.
Rosemary	\$0.10	\$0.50	\$0.85
Saffron	.10	.20	.35
Sage	10	.30	.50
Summer Savory	10		.20
Sweet Basil	10	.15	.30
Sweet Marjoram	10	.20	.35

SORREL

Oseille (Fr.); Sauerampfer (Ger.); Acetosa (Ital.)
Relished principally by the French people, who use it as a spinach dressing, also as a salad. Has an acid flavor. A sowing lasts a number of years. The seed stalks should be cut off when they appear. Pkt., 10c.; 25c. per oz.; 65c. per ¼ lb.; \$2.00 per lb.



SALSIFY (Oyster Plant)

Salsifis (Fr.); Hafer Wurzel (Ger.); Salsefia (Ital.) One ounce of seed to 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white variety; very tender and delicious. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.; Ib., \$3.00.

SHALLOTS (French Flavoring Onions) (See page 72)

SPINACH

Epinard (Fr.); Spinar (Ger.); Spinaccio (Ital.) One ounce will sow a row about 75 feet long; 10 to 12 pounds are required for an acre. Sow for spring use, in drills one foot apart (covering the seed about one-half inch) as early as the ground can be worked, and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. On the approach of cold weather cover with long manure, salt hay, straw or other suitable litter. For a supply of spinach during summer, the New Zealand variety is sown in April or May. Spinach can also be grown successfully under bothed seek

can also be grown successfully under hotbed sash.

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Oz., 15c.; 30c. per 1/4 lb.;

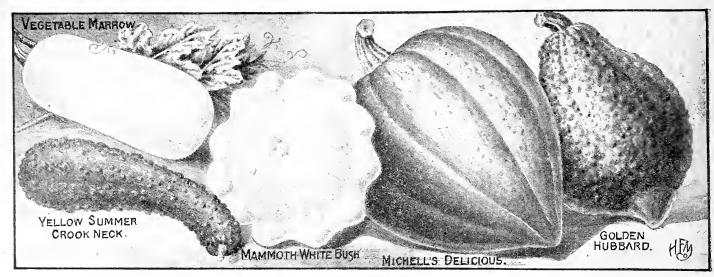
per lb., 85c.; \$3.75 for 5 lbs.

Long Season. A cross between the Bloomsdale and the Victoria leaves are somewhat curled and are tender. Color, a beautiful dark green. 15c. per oz.; ½ lb., 30c.; 85c. per lb.; 5 lbs. for \$3.75. Market Gardeners (New). An improvement on all other

varieties; leaves broad, heavy and of a dark green glossy color; varieties; leaves broad, neavy and of a dark green glossy color; very slow to run to seed and of excellent quality. See color plate. 10c. per oz.; ½ lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.50.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is a

heavy yielder, growing upright; one sowing can be picked from the entire summer. A very distinct variety. In order to get a successful germination of the seed, it should be soaked in warm water for about 12 hours before sowing. See illustration, page 53. Pkt., 10c.; 15c. per oz.; ½ lb., 40c.; \$1.00 per lb.; 5 lbs., \$4.00.



SQUASH

Courge (Fr.); Kurbis (Ger.); Zucca (Ital.) One ounce will plant 20 to 50 hills, 3 to 4 lbs. are required for an acre.

This vegetable is a popular one for summer and winter use, and being susceptible to cold it should not be planted until the ground in the popular of the pop in thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that the fruits may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill.

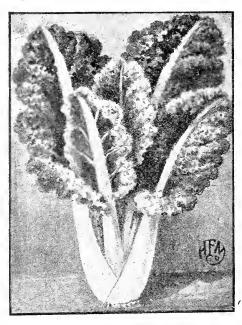
SUMMER VARIETIES

Cocozelle or Italian. This is a bush variety with smooth fruits, dark green in color, striped deeper. Pkt., 10c.; 20c. per oz.; 4 lb., 60c.; \$2.00 per lb.

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.25 per lb.

Mammoth White Bush. Of round scalloped form with an ivory

white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific bearing continually until killed by frost. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.; lb., \$1.75.



Giant Lucullus Swiss Chard

SUMMER SQUASH (Continued)

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred on account of its very dry meat when boiled. This is a running variety. Pkt., 10c.; 20c. per oz.; 1/4 lb., 60c.; \$2.00 per lb.

FALL AND WINTER VARIETIES (Running Sorts)

Boston Marrow. Shaped similar to Hubbard; golden orange; fine for canning for winter use, cooked as a vegetable or in pie. Pkt., 10c.; 15c. per oz.; ½ lb., 40c.; \$1.15 per lb. Delicious. Well named, as it has the finest flavor of any squash;

of oblong shape, with a deep green skin and thin rind, and with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; when matured it weighs from 5 to 10 lbs., and is in its prime during the early winter; one of the very best. Pkt., 10c.; 20c. per oz.; ½ lb., 60c.; \$2.00 per lb.

Golden Hubbard. Used extensively for pie, but served as a

vegetable, it is very dry and delicious; outside deep orange red; very tender. Pkt., 10c.; 20c. per oz.; ½ lb., 65c.; \$2.00 per lb. Hubbard (True). Fruits large, olive-shaped, with dark green skin and rich flesh; fine quality; excellent keeper. Pkt., 10c.; 20c. per oz.; ½ lb., 70c.; \$2.00 per lb. Vegetable Marrow. A long, greenish white variety; fine for cooking; sweet and tender. A favorite squash with the English people. Pkt., 10c.; 20c. per oz.; ½ lb., 65c.; \$2.25 per lb.

SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Bieta (Ital.) 1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus. When hard frosts strike the plants down they can be taken up and placed in a cool cellar; the roots may be carried over this way with an occasional watering, and if

planted in a hotbed about March 1st they will produce early spring greens.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.25 per lb.

TARRAGON

Fine for flavoring. Plants, 30c. each; doz., \$2.50; \$18.00 per 100.

THYME (Herb)

Seed. Pkt., 10c.; 40c. per ½ oz.; oz., 70c. **THYME PLANTS** 20c. each; doz., \$1.50; \$10.00 per 100.

TOBACCO

Many people like to have a few plants of this in the garden, it attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors and set outdoors in May.

		Pkt.
Connecticut Seed Leaf	. .	\$0.15
Havana		
Pennsylvania Seed Leaf		15



Pomme d'Amour (Fr.); Liebsapfel (Ger.); Pomo d'oro (Ital.)
One ounce will produce 3500 plants; ¼ lb. will provide enough plants for an acre.
Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row, or in hills 4 feet apart each way. Properly grown tomato plants should be supported. Note.—All seeds on this page mailed postpaid at prices quoted.

Beauty. One of the largest purplish pink tomatoes; solid and meaty; Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.

Bonny Best. One of the most prolific of early tomatoes. The size is not so large, but it is very solid and evenly formed. Color, bright red. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.

Chalk's Early Jewel. Extra early; bright red; fine flavor; very productive. 10c. per pkt.; ½ oz., 20c.; 35c. per oz.; ¼ lb., \$1.00. Crackerjack (Michell's). This is one of the best early tomatoes

for the home garden, it's productiveness being wonderful; quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt., 10c.; 20c. per ½ 0z.; 0z., 40c.; \$1.25 per ¼ lb.

Early Detroit. A productive, early purple sort; large and smooth; excellent quality. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.25 per 1/4 lb.

Dwarf Champion. A distinct type; the plant looks like a miniature tree; very dwarf and compact; bright red; very solid; late maturer. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

Dwarf Stone. A dwarf, compact growing plant, yielding a large crop of medium-sized, very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; \$1.40 per ¼ lb.

Earliana (Spark's). A very prolific tomato. Grows in clusters; medium in size, solid and very desirable. 5c. per pkt., large pkt., 10c.; per ½ oz., 20c.; oz., 35c.; \$1.25 per ¼ lb.

Early Red Wonder (Michell's). A splendid early, new variety; for complete description and illustration see page 53. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.75 per $\frac{1}{4}$ lb.

Golden Queen. Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who generally (on account of acidity) do not eat tomatoes, we can recommend this variety. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per 1/4 lb.

\$1.75 per ½ lb.

Greater Baltimore. A main crop variety; fruit large and of a brilliant red color; ripens evenly to the stem. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; \$1.00 per ½ lb.

John Baer. This is positively without exception the earliest tomato that we know of. The plant is very dwarf, growing in tree form and frequently the plants have small tomatoes on while yet in pots ready to be set out. Fruit is bright red. Pkt.,

10c.; 20c. per ½ oz.; oz., 35c.; \$1.25 per ¼ lb.

Livingston's Globe. Especially adapted to slicing; very solid; a handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 25c. per ½ oz.; per oz., 50c.; \$1.75 per ½ lb.

Matchless. Large red fruit; a general crop variety. Pkt., 10c.; 20c. per ½ oz.; 35c. per oz.; \$1.20 per ½ lb.

Ponderosa. The largest tomato in existence; a beautiful deep

pink; rather uneven at times in shape. Pkt., 10c.; 30c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.

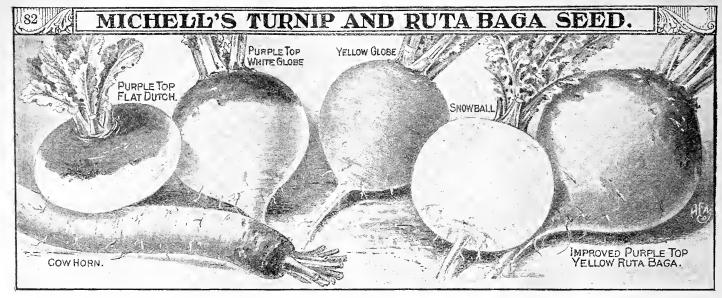
Red Rock. One of the most solid varieties; medium early and of a brilliant red color; a fine one for the home or market garden. Pkt., 10c.; 20c. per ½ oz.; per oz., 35c.; \$1.25 per ¼ lb.

Stone (Michell's Private Stock). A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced introduced in the selection of the selection.

duced in greater abundance. 5c. per pkt.; large pkt., 10c.; 20c. per ½ oz.; per oz., 35c.; \$1.25 per ¼ lb.

SMALL FRUITED TOMATOES. YELLOW STRAWBERRY OR HUSK RED CHERRY PEARORPLUM RED PEACH

FORCING TOMATOES
Pkt. ½ Oz. Oz. Best of All.\$0.10 \$0.30 \$0.60 Comet .10 .20 **Eclipse** (Orig.pkts.) 1.00 SMALL FRUITED TOMATOES Pkt. $\frac{1}{2}$ Oz. Oz. Red Cherry\$0.10 \$0.30 \$0.60 Red Peach. .10 .30 Yellow Plum .10 .30 .60 Strawberry or Husk .60 TOMATO PLANTS (Ready in April). (See page 83) ot Grown, Doz. 100 Pot Grown, leading sorts .\$0.75 \$5.00



Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital.)

One ounce of seed for 100 feet of drill; two lbs. per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills 14 inches apart. Ruta Bagas should be sown in drills 30 inches apart. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August, and Ruta Bagas in drills from the middle of June to the fifteenth of August. Ruta Bagas sown early have a tendency to grow long in shape, while seed sown in August usually develops roots of a uniform globular shape.

Aberdeen. A flat yellow variety; a good winter keeper. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 85c. per lb.

Cow Horn. A long white variety, used for soiling and stock feeding. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 80c. per lb.

Early Purple Top Flat. The most popular variety in cultivation; a large yielder; well flavored. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 80c. per lb.

Purple Top White Globe (Private Stock). This is a careful selection of the pouplar Purple Top Globe variety; it is very uniform in shape and one that should be grown by all who uniform in shape and one that should be grown by all who grow turnips. Our strain of seed is especially fine. Pkt., 10c.;

15c. per oz.; ¼ lb., 30c.; 85c. per lb.

Snowball. A pure white globe variety; very early. Pkt., 10c.;

15c. per oz.; ¼ lb., 30c.; 80c. per lb.

Southern Seven Top. For winter greens chiefly; extensively sown in the South. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 80c.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 80c. per lb.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high thinned out to get the greatest root develop-ment. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should not be sown until August 1st, when it will invariably develop perfectly globular formed roots. Seed sown earlier than this invariably produces the long shaped roots with long stems.

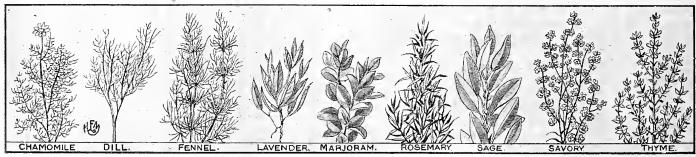
Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. 5c. per pkt.; large pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 85c. per lb.

NOTE.—All seed offered on this page mailed free at quoted prices.

SEEDS OF CULINARY AND MEDICINAL HERBS

A few herbs in the garden will be found very convenient, there being so many uses to which they can be put in the green and also dry state. For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where

they can be available any to	me.		× .			
Pk	t. ½ oz.	Oz.	Pkt	$\frac{1}{2}$ oz.	Oz.	Pkt. $\frac{1}{2}$ oz. Oz.
Anise\$0.1	.0	\$0.20	Dill\$0.10) -	\$0.20	
						Savory, Summer
Borage	.0 .20	.35	Fennel, Florence	\$0.20	:40	*Savory, Winter
Caraway	.0	.20	*Lavender	.25	.45	Sweet Marjoram10 .20 .35
*Catnip	.5		*Mint, Peppermint25	5		*Thyme, Broad Leaved .10 .40 .70
						*Varieties are hardy or perennial,
*Chives	.20	.35	*Rosemary	.50	.85	while others must be sown each
Coriander	.0	.15	Saffron	.20	.35	season.







SPECIAL NOTICE

We regret that it is not practicable to ship Pot Grown Plants of Cauliflower, Pepper, Parseley, Egg Plants and Tomatoes via Parcels Post.

The foliage of these plants is very soft and tender and from experience (largely because of delays in the mail service) they reach their destination in a worthless condition.

If customers desire this class of plants shipped that way, we shall use the utmost care in packing but we ask that we be relieved of any blame if. they arrive in an unsatisfactory condition. When plants are wanted by parcels post we believe it will be to your advantage to request "Special Delivery" in which event allow in addition to the postage charges 10c for special delivery stamp.

VEGETABLE AND HERB PLANTS AND ROOTS

We have fresh supplies of this stock in daily, during the season of planting; we grow them at our own nurseries, and in extra good quality.

ARTICHOKES (Ready in April)

Green Globe. Pot grown. \$1.50 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).

Jerusalem. Used for table and stock feeding. 20c. per lb. (by mail, 25c.); 80c. per 5 lbs. (by mail, 95c.); 10 lbs., \$1.25 (by mail, \$1.50); \$2.75 per 25 lbs.; 50 lbs., \$5.00.

ASPARAGUS ROOTS

(Ready from Oct. 15th to May 15th)

The two-year-old roots usually produce two years after planting, the three-year-old may be cut lightly one year after planting.

2 Year Old Roots Doz. Barr's Mammoth \$0.30 \$1.50 \$10.00 Conover's Colossal........30 1.50 10.00 .30 Giant Argenteuil..... 1.50 10.00 10.00 Palmetto or Eclipse... 30 1.50 Washington (Rust Proof) New. 60 25.00 3.00 If above are wanted by parcel post add 10c. per doz.; 20c. per 100 for postage. 3 Year Old Roots Doz.

Barr's Mammoth ... \$0.40 \$2.00 \$15.00 Conover's Colossal40 2.00 15.00 Giant Argenteuil40 2.00 15.00 Palmetto or Eclipse40 2.00 15.00 If above are wanted by parcel post, add 15c. per doz.; 25c. per 100 for postage.

BRUSSELS SPROUTS (Ready in July) Matchless Improved (Hotbed Grown). 25 for 25c. (by mail, 30c.); 75c. per 100 (by mail, 85c.); per 1000, \$6.00.

CABBAGE PLANTS

Early Sorts. From hotbeds. Wakefield and All Head only. Ready April 15th. 60c. per 100; per 1000, \$5.00.

Early Sorts. Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. \$1.00 per 100; per 1000, \$8.50. Late Sorts. Ready July 1st, in Late Flat Dutch, Danish Ball Head and Red Dutch Drumhead varieties only. Per 100, 60c.; \$5.00 per 1000.

If cabbage plants are wanted by mail, add 15c. per 100 for postage.

CAULIFLOWER PLANTS
(Ready April 1st)

Snowball variety only. From hotbeds. 25c. per doz.; per 100, \$1.50.

Snowball variety only. Pot-grown. 75c. per doz.; per 100, \$5.00.

If hotbed Cauliflower are wanted by mail,

add 5c. per doz., or 15c. per 100 for postage.

CELERY PLANTS (Ready in July)

White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 75c. per 100 (by mail, 90c.); per 1000, \$6.00.

CHIVES (Ready in April)
Strong Plants. 15c. each (by mail, 20c.);
doz., \$1.50; \$10.00 per 100.

EGG PLANTS (Ready after May 15th)

Sold in pot-grown stock only.

New York Improved and Black Beauty.

10c. each; doz., \$1.00; \$7.00 per 100.

HOP VINE (Hardy)

This makes a valuable shade plant, grown on arbors, trellis, etc.

Strong Pot Grown Plants. 25c. each; doz., \$2.50; \$18.00 per 100.

HORSE RADISH ROOTS
(Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings, 35c. per doz.; per 100, \$1.75 (by mail, \$1.90); \$15.00 per 1000.

LAVENDER (Ready in April)

Pot-grown plants. 25c. each; per doz., \$2.50; \$18.00 per 100.

LETTUCE PLANTS

Heading varieties; our selection only. 25 for 20c. (by mail, 25c.); 75c. per 100 (by mail, 85c.); per 1000, \$6.00.

MINT (Hardy) (Ready in April)

Peppermint. Pot-grown plants. 20c. each; per doz., \$1.50; \$10.00 per 100.

Spearmint. Pot-grown plants. 20c. each; per doz., \$1.50; \$10.00 per 100.

PARSLEY PLANTS (Ready in April)
Pot-grown. 10c. each; doz., \$1.00; \$7.00
per 100.

PEPPER PLANTS (Ready in May) Bull Nose and Ruby King varieties only. Pot-grown plants. 10c. each; doz., \$1.00; \$7.00 per 100.

RHUBARB ROOTS

(Ready from October to May 15th)

Victoria. First Size Roots. 15c. each (by mail, 20c.); \$1.50 per doz. (by mail, \$1.75); per 100, \$10.00.

Victoria. Mammoth Roots for planting out, or suitable for forcing (not mailable). 35c. each; doz., \$3.50; \$6.25 for 25; per 100, \$22.50.

ROSEMARY (Perennial) (Ready in April)

Pot-grown plants. 25c. each; doz., \$2.50; \$18.00 per 100.

SAGE (Hardy) (Ready in April) Holt's Mammoth. Pot-grown plants. 20c. each; per doz., \$1.50; \$10.00 per 100.

> SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. 75c. per 100 (by mail, 90c.); 1000, \$5.00. Not less than 100 plants can be furnished.

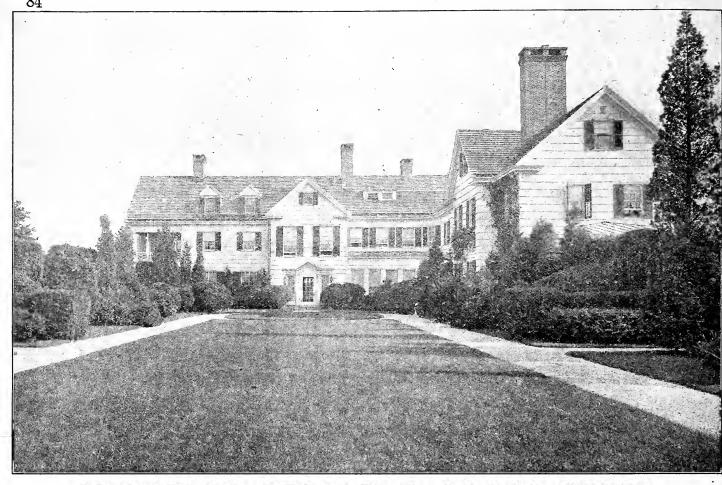
TARRAGON (Hardy) (Ready in April)
Hardy if given protection in winter. Potgrown plants. 30c. each; doz., \$2.50; \$18.00
per 100.

THYME (Hardy) (Ready in April) English Broad Leaved. This is almost an indispensable herb. Pot-grown plants. 20c. each; doz., \$1.50; \$10.00 per 100.

TOMATO PLANTS (Ready after April 15th)

Pot-Grown Plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa, Crackerjack. 7c. each; doz., 75c.; \$5.00 per 100.

Hotbed Plants of Tomatoes, we have discontinued handling, they do not give general satisfaction, nor do they ship well.



MICHELL'S SEEDS GRASS RELIABLE

Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study; they are properly blended

and will give splendid satisfaction.

Quantity to Sow for Lawns; you cannot sow too much, the more the better, it means a quicker, more satisfactory and more lasting results. From very exhaustive tests and experiments, we have found that in general too small a quantity has been recommended in the past; it requires sufficient seed to be sown if you want a quick permanent effect. On a small scale a quart will usually seed a space of 10×10 feet though twice that quantity is better; 6 to 8 or 10 bushels of 20 lbs. per bushel on new ground without grass, is the proper quantity per acre; 1 peck is needed for a space of 1000 square feet; $\frac{1}{2}$ bushel for a space 2000 square feet; 1 bushel for a space 4000 square feet or say 40×100 feet. For Putting Greens we advise 100 lbs. of seed for greens 100×100 feet. For Fairways, 8 to 10 bushels per acre. For Pasture and Hay Fields, 4 to 5 bushels per acre, based on a 20 pound bushel.

Michell's "Top Notch" Lawn Grass Seed. The top notch of quality. A perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks. 25 lbs. per bu.; 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00;

100 lbs., 37½c. per lb.

Michell's Green Velvet Lawn Grass Seed. The result of many years of untiring experimenting, and will produce a perfect turf; composed of close growing, fine leaved hardy grasses, which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. 20 lbs. per bu.; 20c. per pt.; qt., 35c.; 65c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs., 37½c. per lb.

Michell's Evergreen Lawn Grass Seed. This is composed of

This is composed of the finest native and foreign short growing and fine bladed grasses, and will form a perfect turf. It weighs 20 lbs. per bushel, and every kernel is full of vitality. 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu., \$6.50; 100 lbs., 200.

30c. per lb.

Michell's Clover Lawn Grass Seed. The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand; mixed with a liberal quantity of the best recleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sunburn easily. Splendid for seashore lawns. 30 lbs. per bu.; 30c. per pt.; qt., 50c.; 90c. for 2 qts.; 4 qts., \$1.75; \$3.25 per pk.; bu., \$12.50; 100 lbs., 40c. per lb.

Michell's Seashore Lawn Grass Seed. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our formula has been thoroughly tested out in various localities. If the soil is exceptionally poor, and it is not possible to apply a layer of top soil, white Clover will help to make the sod thick, and also protect the grass. 20 lbs. per bu. 20c. per pt.: qt., 35c.; 65c. per 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs., $37\frac{1}{2}$ c. per lb.

Michell's Shaded Lawn Grass Seed. Shaded locations have often been found difficult to keep in grass. We have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this apply air-slacked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. 20 lbs. per bu.; 20c. per pt.; qt., 35c.; 65c. per 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs., 37½c. per lb.

If Grass seeds are wanted by parcel post, please add for postage as follows: 5c. for 1 qt.; 10c. for 2 qts.; 15c. for 4 qts.; 20c. per pk.; 30c. per ½ bu.; 50c. per bu.



MICHELL'S RELIABLE GRASS SEEDS

See Page 84 for recommendations for quantities required to sow an acre.

Fairmount Park Lawn Seed. A mixture meeting the requirements of those desiring a moderately priced grass seed. 20 lbs. per bu. Pt., 15c.; 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; pk., \$1.50; \$5.50 per bu.; 100 lbs. at 25c. per lb.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 20 lbs. per bu. Pt., 15c.; 30c. per qt.; 2 qts., 55c.; \$1.00 for 4 qts.; pk., \$1.75; \$6.50 per bu.; 100 lbs. at 30c. per lb.

Michell's Terrace or Embankment Grass Seed. It is usually difficult to establish turf on steep inclines or on terraces. This mixture is composed of deep rooting varieties properly blended which will give very satisfactory results. 20 lbs. per bu., 20c. per pt.; qt., 35c.; 65c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs. at 37½c. per lb.

Michell's Fair Ways (Golf Course) Mixture. This mixture is composed of short growing does needed approach that the course.

Michell's Fair Ways (Golf Course) Mixture. This mixture is composed of short-growing, deep-rooted varieties that resist wear. It retains its color well during the severest droughts. Fairways to retain their permanency should receive additional sowings during the season to replace any weak or worn-out spots. 20 lbs. per bu. 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu., \$6.50; 100 lbs. at 30c. per lb.

Southern States Evergreen Lawn Grass Seed. In the southern states especially below Virginia, it is extremely hard to establish

Southern States Evergreen Lawn Grass Seed. In the southern states especially below Virginia, it is extremely hard to establish a permanent lawn, if the proper combination of grasses are not used; after exhaustive tests and experiments we are pleased to state that our Southern States Evergreen Grass Seed Mixture will come up to the most sanguine expectations. Especially for dry, hot localities. 20 lbs. per bu. 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 pk.; bu., \$6.50; 100 lbs. at 30c. per lb.

Michell's Athletic Field Grass Seed. A special mixture of deep rooting, fine leaved grasses, especially suited for Baseball, Football and Cricket Grounds. Per qt., 30c.; 55c. per 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu. (20 lbs.), \$6.50; 100 lb. lots and over 30c. per lb.

Michell's Tennis Court Grass Seed Mixture. Our mixture will be found particularly adapted for the purpose as grass is coming more into favor on tennis courts. 20 lbs. per bu. 20c. per pt.; qt., 35c.; 65c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs. at 37½c. per lb.

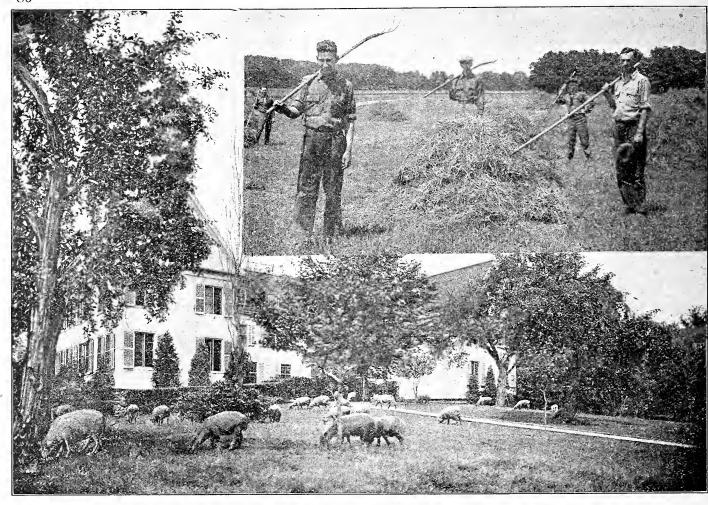
Michell's Putting Greens Mixture. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, fine-bladed grasses. In sowing Putting Greens it is wise economy to be very liberal with the seed, as they are subjected to continuous hard use. We do not recommend less than 100 lbs. to a green, 100 feet square. 25 lbs. per bu. 35c. per pt.; qt., 65c.; \$1.25 for 2 qts.; 4 qts., \$2.25; \$4.00 per pk.; bu., \$15.00; 100 lbs. at 55c. per lb.

Michell's Teeing Grounds Mixture. Used on golf course tees or in other places where a tough resisting turf is wanted; makes a short, fine growth. 20 lbs. per bu. Pt., 20c.; 35c. per qt.; 2 qts., 65c.; \$1.25 per 4 qts.; pk., \$2.25; \$8.00 per bu.; 100 lbs. at 37½c. per lb.

White Clover. Choicest recleaned, for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). 5c. per pkt.; 10c. per oz.; ½ lb., 25c.; 45c. per ½ lb. (by mail, 50c.); lb., 85c. (by mail, 95c.); \$4.00 per 5 lbs. (by mail, \$4.15); 10 lbs., \$7.75 (by mail, \$8.00); \$45.00 per bu. of 60 lbs.; 100 lbs., \$75.00.

If Grass Seeds are wanted by parcel post, please add for postage as follows: 5c. for 1 qt.; 10c. for 2 qts.; 15c. for 4 qts.; 20c. per pk.; 30c. per ½ bu.; 50c. per bu.

Note.—All Grass Mixtures except Putting Greens, "Fair Greens" and Tennis Court Mixtures contain white clover. Any of them, however, can be furnished without this.



MICHELL'S RECLEANED GRASS SEEDS

MICHELL'S PERMANENT PASTURE GRASS SEED

It is a well ascertained fact that thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two; the object to be attained is a constant, successive growth of rich pasturage from Spring until Fall. This mixture is a decided advantage over the usual timothy and clover seed formula, which at their best last usually two seasons. Our mixture of "Permanent Pasture" is a combination of hardy grasses, that will last for years, tho we advise re-sowing them lightly each season in spaces that are bare; attention like this will assure a continuous supply of nutritious pasture. Sow at the rate of 4 to 5 bushels (20 lbs. per bushel) on an acre of new land, or about ½ that quantity for renovating. Prices. Pint, 15c.; 25c. per qt.; 2 qts., 45c.; 85c. for 4 qts.; peck, \$1.50; \$5.50 per bushel; 100 lbs., 25c. per lb.

MICHELL'S PERMANENT HAYFIELD GRASS SEED

The old custom of depending upon hay seed sown with wheat is fast passing into the discard. Michell's Hayfield Mixture sown early in April will yield a crop of hay the same summer, while the old method requires waiting almost two years—a valuable lot of time lost. Our mixture is composed of a variety of high-grade, hardy grasses and clovers, one sowing of which will last a number of years. Sow at the rate of 4 to 5 bushels per acre (20 lbs. per bushel) on new land, or about ½ that quantity for renovating. Prices. 15c. per pt.; qt., 25c.; 45c. for 2 qts.; 4 qts., 85c.; \$1.50 per peck; bushel, \$5.50; 100 lbs., 25c. per lb.

If Grass Seeds are wanted by parcel post, please add for postage as follows: 5c. for 1 qt.; 10c. for 2 qts.; 15c. for 4 qts.; 20c. per pk.; 30c. per ½ bu.; 50c. per bu.

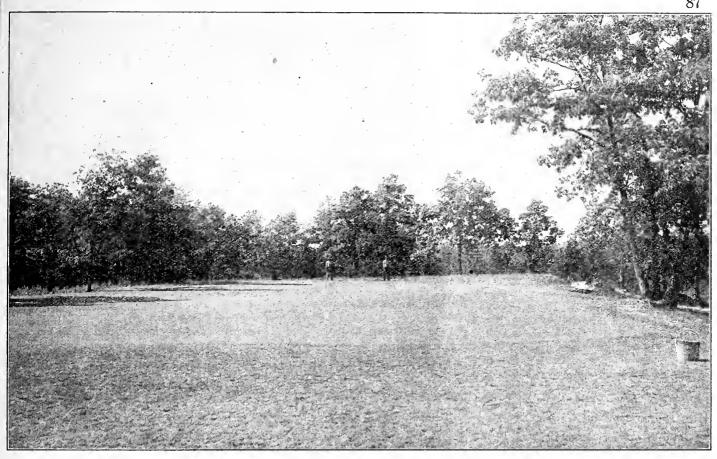
See pages 84 and 85 for Grass Mixtures for Lawns, etc.

I have your letter of the 21st inst. I am sorry that we overlooked telling you that our results from your grass seed have been most satisfactory, and we have nothing but good wishes for your company.

G. E. T.

Last year we purchased some Putting Greens Grass Seed from your company which gave us excellent results. J. C. C.

Wayne, Mich.
The grass seed we sowed last year did all it was recommended to do and our lawn is the wonder of all who see it.
W. J. D.



A Scene on the Famous "Pine Valley" Course

MICHELL'S RELIABLE GRASS SEEDS

Bent Grass, Colonial or Velvet. A very fine bladed grass, producing a thick turf; especially valuable for putting greens (20 lbs, per bu.).

Bent Grass, South German Mixed. Sometimes referred to as Creeping Bent. Admirably adapted for lawns, also putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 feet square (20 lbs. per bu.).

Bermuda Grass. For sowing as far North as Washington, D. C., above which latitude it is not hardy (35 lbs. per bu.).

Blue Grass. Fancy Kentucky (Poa Pratensis). Our stock of

this is extra fine, thoroughly recleaned; sow 5 to 6 bu. per acre on lawns, 4 to 5 bu. on pasture fields (14 lbs. per bu.).

Blue Grass, Canadian (Poa Compressa). Makes an ideal pasture, highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (14 lbs. per bu.).

Creeping Bent. See South German Mixed Bent.

Crested Dogstail (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 4 to 5 bu. per acre (21 lbs. per bu.).

Fescue, Chewing's New Zealand (Festuca Chewing's). Especi-

ally recommended for putting greens and lawns (14 lbs. per bu.). Fescue, Creeping (Festuca Rubra). Very valuable for sowing on sandy soil and in shaded places; also on putting greens (14 lbs. per bu.).

Fescue, Fine Leaved (Festuca Tenuifolia). This grass is especially valuable for dry soils. Sow 5 to 6 bu. per acre (14 lbs. per bu.). Fescue, Hard (Festuca Duriuscula). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu.

per acre (12 lbs. per bu.).

Fescue, Meadow (Festuca Pratensis). Sow 100 lbs. per acre (22 lbs. per bu.). Fescue, Red (Festuca Rubra). Valuable for putting greens; also

for sowing on sandy soil and in shaded places (14 lbs. per bu.). Fescue, Sheep's (Festuca Ovina). This makes an excellent grass for sowing on lawns, fields or pleasure grounds. Sow 6 to 7 bu. per acre (12 lbs. per bu.).

Herd or Red Top, Fancy Recleaned. This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 35 lbs. per acre (32 lbs. per bu.).

Herd or Red Top, Unhulled (Agrostis Vulgaris). Sow 6 to 8 bu. per acre on lawns, or 5 to 6 bu. on pasture lands (10 lbs. per bu.).

Orchard Grass (Dactulis Glomerata). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 50 lbs. per acre (14 lbs. per bu.).

Rhode Island Bent. For sowing at seashore resorts, on putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 ft. square. (14 lbs. per bu.).

Rough Stalked Meadow (Poa Trivialis). A splendid grass for shady places and valuable for use in golf course turf formation. Sow 100 lbs. per acre. (14 lbs. per bu.).

Rye Grass, English or Perennial (Lolium Perenne). Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 5 bu. per acre (24 lbs. per bu.).

Rye Grass, Italian (Lolium Italicum). Very desirable for pasture; it comes to maturity the first season; the ideal seed for southern lawns in winter. Sow 100 lbs. per acre (18 lbs. per bu.).

Sudan Grass Seed (Annual). This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre.

Sweet Vernal (Annual). For sowing among grass to impart a sweet odor which is evident at mowing time. 5 lbs. per acre.

Sweet Vernal (Perennial). 5 lbs. per acre.

Timothy (Phleum Pratense). Sow one-half bu. per acre alone (45 lbs. per bu.).

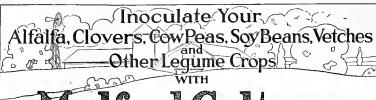
Wood Meadow (Poa Nemoralis). The best grass for sowing under trees where a lawn is desired. Sow 75 to 100 lbs. per acre (14 lbs. per bu.).

WHITE DUTCH LAWN CLOVER

Splendid for sowing among grass on lawns and other places where a thick, quick growth is desired; especially adapted for where a thick, quick growth is desired, especially adapted for seashore lawns. Prices: 5c. per pkt.; oz., 10c.; 25c. per ½ lb.; ½ lb., 45c. (by mail, 50c.); 85c. per b. (by mail, 95c.); 5 lbs., \$4.00 (by mail, \$4.15); \$7.75 for 10 lbs. (by mail, \$8.00); per bu., \$45.00; \$75.00 per 100 lbs.

88 NITROGEN-GATHERING BACTERIA THE WONDERFUL FERTILIZER FOR LEGUMINOUS CROPS







nall Cost Large Returns

Easy to Use No Labor Expense



The most Fertilizer Value of Legumes depends largely upon inoculation with these Bacteria. 1000 to 2000 pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there, and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power, and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plants through inoculation, except as noted; succeeding crops, though, following on ground where bacteria was used,

derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

Mulford Cultures are prepared for

ALFALFA BURR CLOVER
CRIMSON CLOVER COW PEAS
SWEET CLOVER SOY BEANS
RED CLOVER PEANUTS
ALSIKE CLOVER VETCH
JAPAN CLOVER

VELVET BEANS SWEET PEAS GARDEN PEAS STRING BEANS LIMA BEANS

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

PRICES OF MULFORD CULTURES

5-Acre Size (A Dollar per Acre) \$5.00	1-Acre Size\$: (By mail \$1.55)	1.50
Acre)\$5.00 (By mail \$5.10)	1/4-Acre Size	.75
Trial Size (supplied only for G		
Lima Beans and Sweet Peas)	•	35

ALPHANO INOCULANT

This comes in a finely powdered form, making it easy to use. An ideal material for the bacteria's breeding and living place. They retain their vitality for a long period and under conditions utterly impossible with other carrying substances used.

In addition to its distinct advantage of double nitrogen action in the soil, and that it contains all the essential legume bacteria in one package, and that you need never have but the one kind to meet all your inoculation needs, there is also its remarkably low price.

Alphano Inoculant, the makers claim, serves as a bacteria for all crops, the reverse of statements by other makers of bacteria. The reason, however, may lie in the fact that it is a soil or humus bacteria, while others are manufactured cultures. The Alphano Humus Company, who make this, have been experimenting with it and testing it out for several years in the agricultural departments of various experimenting stations, with results highly satisfactory, a special circular on Alphano Inoculant may be had free on request. Prices—1-Acre Size (net weight of can, 2 lbs.), \$1.00 (by mail, \$1.10); 10-Acre Size (net weight, 20 lbs.), \$8.00 (by mail, \$8.50).



A Seed Inoculant that Increases Crop Production

Farmogerm Stays Good Indefinitely. Farmogerm keeps for years. Because of the method of sealing the bottle—a patented stopper which admits filtered air and keeps out all impurities—Farmogerm is just as good in five years as when first bottled. Farmogerm always has its full strength. Just add water and shake the bottle and sprinkle over the seeds as directed. Your crop will benefit beyond your expectations.

Farmogerm is Economical. The makers claim for it—No other inoculant on the market is so strong and virile; no other inoculant will thoroughly treat as much seed. The one-acre size bottle of Farmogerm is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada Field Peas, 60 pounds of Vetch, etc. A different bacteria is required for each crop. When ordering, be sure to state what crops you wish to inoculate.

A special composite culture is prepared for Peas, Beans and Sweet Peas—¼-acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price 50c.

Farmogerm prices are: 1-Acre Size, \$1.00; 3-Acre Size, \$2.50 (by mail, \$2.60); 12-Acre Size, \$9.00 (by mail, \$9.10). Full directions accompany each bottle.



Our Strains of Red Clover are unusually fine

Alfalfa or Lucerne (Medicago-Sativa). The most valuable forage mana or Lucerne (Mattago-Sutta). The host valuable longe crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa explains this fully, and is free for the asking. Sow not less than ½ bushel (30 lbs.) per acre, preferably with no other crop. Our seed is always over 99 per cent pure, and will invariably give the best of results.

Non-Irrigated Western Grown Seed. Price on application.

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deep rooting ability. Highly recommended by various State Experiment Stations. Requires about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. Price on application.

Alsike or Swedish Clover (Trifolium Hybridum). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high; it is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Flower resembles white clover except head is larger

and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with timothy. Price on application.

Bokhara or Sweet Clover (Melilotus Alba). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. Choice Hulled Seed. - Price on application.

Crimson Clover (Trifolium Incarnatum). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. Price on application.

Mammoth Red Clover (Trifolium Pratense Perenne). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. Price on application.

Red Clover, Medium (Trifolium Pratense). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can be cut twice a season. It is usually resown every third season;

flowers pink. Price on application.

SWEET CLOVER (Hubam)

A new strain of Annual White Flowering Clover.

This is the wonderful new clover that has caused such a sensation throughout the country. It does in one year all that other clovers do in two years. It reaches three to seven feet in height in from four to seven months after sowing. It has grown successfully in every state and in most foreign countries. It is the greatest fertilizing plant known, a wonderful hay and pasture crop, and unsurpassed as a honey producer.

At Iowa Experiment Station, after the harvesting of a small grain crop, it produced six times the growth of medium red clover and Mammoth clover, when seeded with the small grain. The drought resistant qualities of this clover are remarkable; without irrigation and with less than one inch rainfall after seeding it has made a growth of seven feet. Hubam seed have been sent out for trial and it has succeeded in every state and many foreign countries. Its value to agriculture cannot be measured.

Hubam was discovered by Prof. Hughes of Iowa Agri-

cultural Experiment Station in 1916.

Hubam Clover (Annual White Sweet Clover) is the most wonderful fertilizer, hay, pasture and honey clover known. Sow 12 pounds per acre broadcast or 3 pounds in cultivated rows very early in the spring.

Hubam adds nitrogen and humus to the soil, makes splendid summer and fall pasture, is a rich hay crop, and a wonderful honey producing plant. Hubam produces the choicest white honey and lots of it. It begins blooming in from 2 to 4 months from seeding and continues for several months.

Hubam should be harvested when about one-half of the seed pods have turned brown and the first ripe seed is beginning to

shatter on the ground.

Hubam will stand a quite strong alkali soil: it loves the strong lime soils. When soils are distinctly acid a liberal application of lime should be made.

Hubam will not benefit the soils upon which it grows without inoculation. Proper inoculation is always present in the soil upon which sweet clover or alfalfa has been grown. Artificial inoculation can be supplied by treating the seed with any of the commercial cultures or working soil from a sweet clover or alfalfa seed bed into the soil where the Hubam is to be grown. Strong virile cultures have often proven of advantage even where the soil has been known to have been previously inoculated.

It is necessary to scarify Hubam seed in order to get satisfactory germination. Unscarified seed will often not germinate over 25% while the same seed well scarified will germinate as high as 90%. Never sow unscarified Hubam Seed.

Order now as there is a large demand for this seed and you

may be disappointed if you delay.

Price for Genuine Hubam Sweet Clover, subject to change, (scarified seed). Per lb., 50c. (by mail, 60c.); \$2.40 for 5 lbs. (by mail, \$2.55); 10 lbs., \$4.50 (by mail, \$4.75); \$10.00 for 25 lbs.; 100 lbs., \$37.50.

White Dutch or Lawn Clover (Trifolium Repens). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 5c. per pkt.; oz., 19c.; 25c. per ½ lb.; ½ lb., 45c. (by mail, 50c.); 85c. per lb. (by mail, 95c.); 5 lbs., \$4.00 (by mail, \$4.15); \$7.75 per 10 lbs. (by mail, \$8.00); per bu. of 60 lbs., \$45.00; \$75.00 per 100 lbs. Prices on White Clover subject to change.

MICHELL'S SELECTED HAND PICKED FIELD CORN

Plant 8 to 10 qts. per acre in hills for shelled corn or for silo, or sow $1\frac{1}{2}$ to 2 bushels broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market; we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corn where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used, the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which means a considerable increase in production.

A NEW FIELD CORN Mellinger's Golden Queen

A high yielding variety of yellow dent noted for heavy production of both grain and silage. It has given the highest average yields in 23 variety tests conducted during five consecutive years by the Delaware County (Pa.) Farm Bureau, proving superior to the better known varieties. A hardy, rain Dureau, proving superior to the better known varieties. A hardy, resistant corn, producing a good ear on every stalk, with few nubbins. Ears large, showy; rows straight; butts and tips well filled. Grains square cut, moderate in depth, with uniform, dimpled dent easily distinguishing it from other varieties. Fodder heavy and leafy, 10 to 12 ft. tall, averaging 12 to 14 tons of silage per acre. On fertile soil capable of yielding 90 bushels shelled corn or 20 tons silage. Season two or three days shorter than Cloud's Vallage. corn or 20 tons silage. Season two or three days shorter than Cloud's Yellow Dent. Our seed has been especially grown for seed purposes and carefully selected to type.

Price, subject to change, 25c. per qt.; 4 qts., 90c.; \$1.50 per peck; per bushel, \$5.00.

Champion White Pearl. An immense yielder, maturing in about 115 days; kernels deep set and snowy white; the merits of this corn are surprising.

kernels deep set and snowy white; the merits of this corn are surprising. Cloud's Early Yellow Dent. Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about ¾ of an inch long. It delights in rich soil if the best is expected of it. Drought Proof. Long, yellow grain, produced on long thin cobs; matures in 90 to 100 days, and yields well under trying weather conditions. Early Canada Flint (Eight Rowed). A medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled; excellent for pigeon and poultry feed.

poultry feed.

Eureka Yellow Dent (Ensilage). Light canary yellow; deep grained; fine ear and fodder.

Golden Beauty. The broad, massive golden yellow dented grains are arranged very evenly on gigantic ears. Fodder is enormous, often growing 12 feet high; matures late, but yields wonderful crops; desirable for silo and ensilage

purposes. Learning Early Dent. This variety has always been used foremost by most planters of field corn in the locality of Philadelphia. Beautiful long ears of deep grained, uniform kernels. The cob when shelled is very small. The stalks grow about 7 feet high, very leafy, excellent for fodder, and on the average will produce two ears to the stalk; ripens in 90 days and occasionally crops

100 bushels to the acre. Every grain is uniform and perfect.

Reid's Yellow Dent. A splendid late variety with an average record of 100

bushels per acre; small cob, deep bright yellow grain.

Red Cob Ensilage. A long, narrow, white grain; *a late maturer, and used for silo, green feed or ensilage purposes. A tall, rank grower and prolific in leaves.

Silver King. A pure white dent corn, ripening in 100 to 105 days, ears averaging 8 to 9 inches long, grains closely set and straight in the row. The ears grow

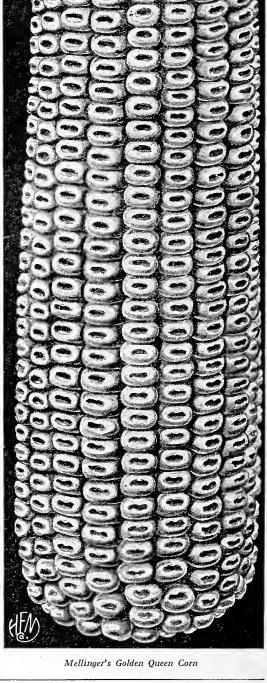
a uniform size White Cap Yellow Dent. A large eared variety with hard, large grain, quite deep; matures in about 100 days. The grain is light yellow, with a white end or face.

Price on Field Corn (where not quoted) upon application.

2 Bu. Seamless Bags used in shipping field Corn are chargeable at 50c. each, but are returnable for credit.

STANLEY'S CROW REPELLANT

It rids your Corn Crop of Crows and other corn pulling birds, and animal pests, such as Moles, Gophers, Woodchucks, Prairie Dogs, Squirrels, etc. Saves loss of seed and labor of replanting. Positively will not clog any planter. Aids and hastens germination of seed corn. Protects seed from rotting in the ground. Insures larger yields per acre. Is non-poisonous and will not injure the seed. Will not kill birds or animals, but will keep them away and prevent destruction by them. Has been used successfully by experienced corn growers for over ten years. Large can, enough for two bushels of seed corn, \$1.50; small can, enough for one bushel, \$1.00.



MICHELL'S HIGH GRADE FARM SEEDS, Etc.

ALFALFA (See page 89)

BARLEY

The straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast $1\frac{1}{2}$ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per hughel

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with alfalfa, use ½ to ¾ bushel per acre broadcast; when ripe, harvest as usual or cut and rake off.

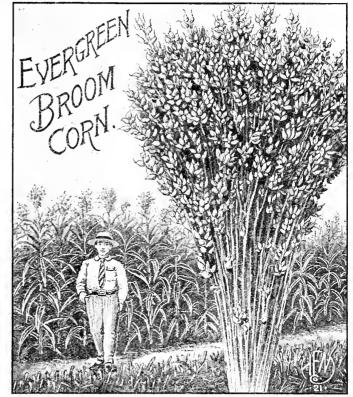
Beardless. New York grown stock; frequently yields 50 bushel per acre. Price on appli-

Note.—While offered as beardless, barley has the fault of reverting back to its type which is bearded, so that some bearded heads will invariably appear in the field.

BEANS, SOJA OR SOY

This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air, and which is deposited in the ground by the roots, leaving it in ideal condition, and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with hay or corn. The seed when harvested and ground into meal is fed with great advantage to milch cows, mixed with bran or any soft feed; it gives the milk a very rich flavor. Sow $1\frac{1}{2}$ bushels per acre alone, or ½ bushel Soja Beans with one bushel Cow Peas. Sow in drills 2½ feet apart, any time from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September, when the pods will be well filled: yields as high as 20 tons of green food per acre. 60 lbs. per bushel.

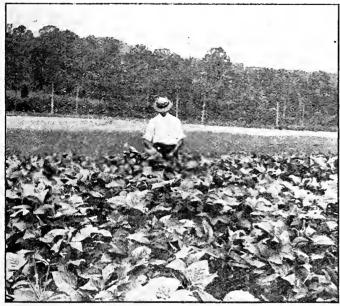
Mammoth Yellow (Late). Wilson (Early). Price on application.



BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder grows to a height of about nine feet, and is suitable for bedding. Sow in May, about ten pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row.

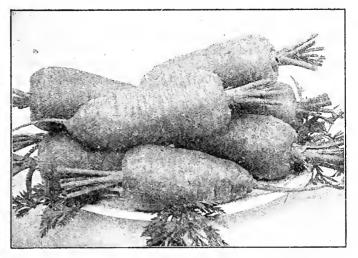
This sort produces extremely straight brush, re-Evergreen. taining its green color well after ripening, thus commanding the highest market prices. Yields 1000 lbs. of salable brush per acre. Bushel, 50 lbs. Price on application.



Beardless Barley

Mammoth Yellow Soja Beans

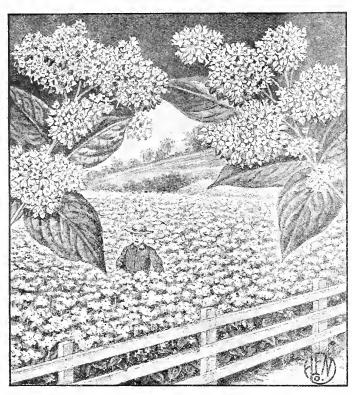
2 Bu. Seamless Bags required in shipping Farm Seeds are chargeable at 50c. each, but are returnable for credit.



CARROT

These should form a staple crop on every farm, as they can be successfully used in feeding horses, cows, poultry, sheep, and pigs. They are easily grown, are little trouble to harvest, store and keep. On page 59 we offer a long list but for farm purposes the three varieties below are best, being the largest yielders; sow 3 to 4 lbs. per acre.

•	Oz.	1/1 lb.	Lb.	5 lb.	P.Post
Danvers Half Long					\$7.65
Long Orange		.60		7.50	
White Belgian		.40	1.25	5.50	5.65



Japanese Buckwheat

BUCKWHEAT, Japanese

In the locality of Philadelphia this is sown any time from June 1st to July 15th, one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food, while the straw is very abundant. Our seed is grown by a specialist in New York State. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. Price upon application.

CLOVER SEED. See Page 89.

CORN, WHITE KAFFIR, for Seed

The grain is used for feeding poultry and the fodder for cattle. Grows from 4 to 6 feet high, the grain being produced on the top of stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. (Bu. 56 lbs.) Price on application.

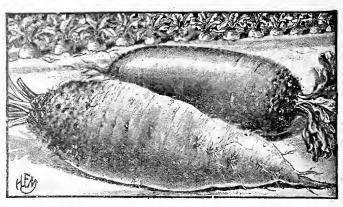
COTTON SEED

Sea Island. If sown early in May, will mature in the latitude of Philadelphia. 15c. per ¼ lb.; lb., 40c. (by mail, 45c.); \$1.25 for 5 lbs. (by mail, \$1.40).

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant 1 bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels (bushel, 56 lbs.). Price on application.

Two bushel seamless sacks, used in shipping farm seeds, are charged for at 50c. each; returnable at price charged.



Michell's Mammoth Long Red and Golden Tankard Mangels

MANGEL WURZEL

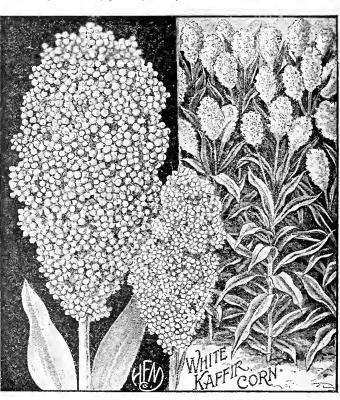
Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep hogs and poultry.

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. Per oz., 10c.; 25c. per ¼ lb.; lb., 75c. (by mail, 80c.); \$3.25 per 5 lbs. (by mail, \$3.40).

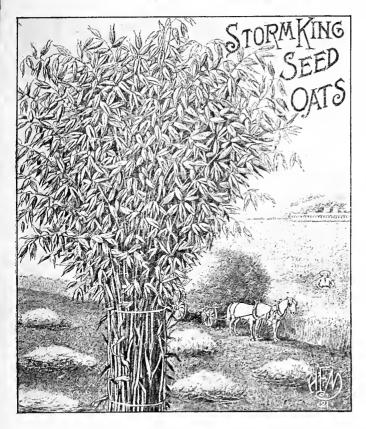
Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Per oz., 10c.; 25c. per ½ lb.; lb., 75c. (by mail, 80c.); \$3.25 per 5 lbs. (by mail, \$3.40).

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Per oz., 10c.; 25c. per ½ lb.; lb., 75c. (by mail, 80c.); \$3.25 per 5 lbs. (by mail, \$3.40).

Red Globe. An excellent sort; very prolific; good for late planting. Per oz., 10c.; 25c. per ½ lb.; lb., 75c. (by mail, 80c.); \$3.25 per 5 lbs. (by mail, \$3.40).



MICHELL'S HIGH GRADE FARM SEEDS, ETC.



SEED OATS

We make quite a specialty of these, having them grown especially on contract for us; they are large, plump, free from weed seeds or other foreign substance, and of high vitality. Sow them at the rate of $2\frac{1}{2}$ to 3 bushels per acre alone or $1\frac{1}{2}$ bushels with peas, during April, for best results.

Canadian Cluster. An enormous yielder, producing very large heads. Originally brought from the oats belt of Canada, but now thoroughly acclimated in the United States.

Storm King (*Pedigree Stock*). Our strain of this variety was brought from Russia five years ago, and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Often yields 85 bushels per acre.

Swedish or Washington. The long, erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color.

Welcome. A well-known and extensively grown variety; extra strong straight straw; large plump grains; very productive.

Price of Oats on application.



FORMALDEHYDE

Improved Treatment for Oats Smut

Use one pint of Formaldehyde in 10 pints of water and with a spray pump direct a spray into each shovelful of grain as it is being shoveled over on a clean floor or canvas. This quantity, 11 pints, will

This quantity, 11 pints, will treat 55 bushels at the rate of 1 pint to 5 bushels. Grain may be immediately sacked. Formaldehyde will increase the yield of oats, wheat, barley and rye materially. Per pint bottle, 50c.

2 Bu. Seamless Bags required in shipping Farm Seeds are chargeable at 50c. each, but are returnable for credit.

MILLET

Can be sown as late as July 15th and yield a tremendous erop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. Makes an excellent green food for stock. If used for hay it should be cut just as it matures.

Hungarian. The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height. It can, however, be sown some 2 weeks later. Sow 1 bushel (50 lbs.) per acre.

Japanese Barnyard. This wonderful Millet yields possible more fodder than any other forage plant. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast, any time from May 1st to June 15th.

Tennessee Golden. This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 ft. high. Sow 1 bu. (50 lbs.) broadcast to the acre, from April 10th to July 10th. Price upon application.



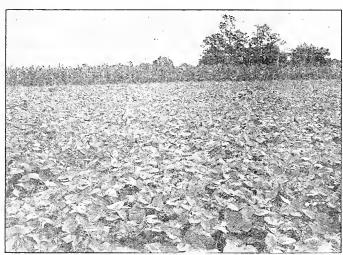
Seed Oats, Canadian Cluster

CANADIAN FIELD PEAS

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of 1½ bushel of Peas and 1½ bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.

Nitrogen Gathering Bacteria

On page 88 are listed and described 3 leading brands of Legume Cultures, every one who plants should be acquainted with this modern method of increasing crops and fertilizing the soil. Descriptive circular on request.



A Field of Cow Peas

COW PEAS

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, leaving it very rich in ammonia. In the latitude of Philadelphia sow from May 1st to July 1st, two bushels per acre broadcast, or one bushel per acre in drills. For a large crop sow the seed as late as possible.

Black. One of the popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious.

Whippoorwill. Medium early; upright growing; a variety more extensively used than any other. The seed is gray speckled, a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

Prices: These fluctuate constantly; will be quoted on request.

RAPE

Dwarf Essex. This can be pastured 8 weeks after sowing; sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time. Sow 6 lbs. per acre broadcast, from April 1st to October 1st. It produces enormous crops, and is ideal green manure. Stock feeding on it, should have ready access to salt. Price on application.

RYE (For Seeding)

Spring. An excellent early green food, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye

from which it is quite distinct, the seed being smaller. Sow from May 1st to June 1st. 56 lbs. per bu. Don't sow Winter Rye in Spring as it will not grow at that season.

Pennsylvania White Winter. This may be sown in the autumn as late as November, making a very fine yield of long, stiff straw, or may be used as a cover crop. Winter rye will not mature if sown in spring.

Rosen Winter Rye. An improvement on the Pennsylvania White Winter Rye, from a standpoint of yield, as to grain and straw. Weight of rye is 56 lbs. per bushel, sow 1½ bushels per acre. Prices upon application.

SUDAN GRASS

An annual, and must be sown each year. Resembles millet somewhat; stock seems to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. Prices upon application.



Sorghum Makes Fine Green Food for Dairy Cows

SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be threshed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills $3\frac{1}{2}$ feet apart; 1 or 2 bushels broadcast. 50 lbs. per bushel. Price on application.

SPELTZ, or EMMER

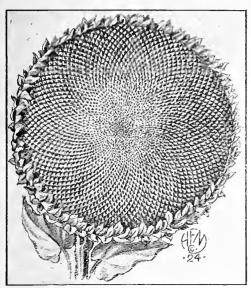
This seed resembles barley, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after threshing is equal to wheat straw. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 40 lbs. per bushel. Price on application.

Two bushel seamless sacks, used in shipping farm seeds, are charged for at 50c. each; returnable at price charged.



A Bumper Crop of Spring Rye

MICHELL'S HIGH GRADE FARM SEEDS



Mammoth Russian Sunflower

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities; will yield sometimes as high as sixty bushels per acre. Harvest atter first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Prices (subject to change): 15c. per lb. (by mail, 20c.); 5 lbs., 70c. (by mail, 85c.); \$1.35 per 10 lbs. (by mail, \$1.60); bushel (25 lbs.), \$3.25.

TIMOTHY SEED

Our stocks of this important hay producing seed are especially fine; thoroughly recleaned, and free from weeds. If sown alone it requires ½ bushel to seed an acre; if sown with wheat 8 to 10 quarts are the usual quantities. 45 lbs. per bushel. Samples and quotations on request.

Merion, Pa.
Your Green Velvet Lawn Grass Seed is a
winner; in just 5 weeks I had the finest sod
you ever saw, and ready for mowing. S. A.

VETCHES, or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye; the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish lavender, in clusters. The height when supported is frequently 4 feet.

Winter Vetch (Vicia Villosa). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia, which will absolutely live throughout the winter.

There is also an English strain on the market which is not hardy in the northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed under as green manure, or when in flower cut for hay. All stock relish it keenly. Price on application.



Two Bushel seamless sacks, used in shipping farm seeds, are charged for at 50c. each; returnable at price charged.

Spring Vetch (Vicia Sativa). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast, and 1 bushel if in drills, with either spring wheat, spring rye or oats, for support. Has the same desirable features as the winter vetch. Price on application.



Spring Wheat

SPRING WHEAT

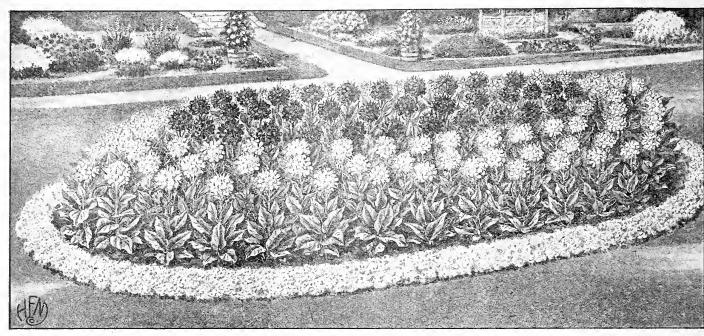
A desirable crop to sow where fall sown wheat has been killed by severe winter; the grain is very hard, of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

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BOOKS ON GARDENING AND FARMING, ETC.

The pleasures of gardening are materially increased with the aid of a good book on the subject. On page 190 of this catalog is offered a comprehensive list of them, which cover almost every phase of gardening and farming. Add a few copies to your library.

NITROGEN-GATHERING BACTERIA. This will be found a very valuable preparation in connection with plantings of Cow Peas. See page 88 for full particulars.



We make a specialty of growing Cannas at our Nurseries, Andalusia, Pa., where acres of them are a blaze of color throughout the summer.

PLEASE NOTE: The heights given for Canna Plants are as they average in our Nurseries. This height may vary, depending on soil, weather and climatic conditions.

Alphonse Bouvier. Rich velvety red; green foliage; 5 feet. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Austria. A tall-growing variety with gigantic blooms of a lemon chrome, spotted red; 5 feet high; foliage green. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Candelabra (New). Three to 5 flower branches on each stalk at one time is the average; each branch is ablaze with a torch-like flame of fiery orange scarlet bloom; 5 feet; roots or plants 50c.

City of Portland. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ ft.; foliage, green. Roots, 25c. each; doz., \$2.50; \$15.00 per 100; plants, 35c. each; doz., \$3.75; \$22.50 per 100.

Eureka. The best white variety; free bloomer; green foliage; 4 feet. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Firebird. This is in every respect one of the best red flowered. green-leaved Cannas. The petals measure 2½ inches and more across; the color is a brilliant scarlet, without any spots; 41/2 feet. Roots, 15c. each, doz., \$1.50; \$10.00 per 100.

lorence Vaughan. Yellow, spotted crimson; green foliage; 5 feet high. Roots, 15c. each; doz., \$1.50; \$10.00 per 100. Florence Vaughan.

Hungaria. Plant is dwarf and of compact growth; rich peach blossom pink. It is a free, early and continuous bloomer. Foliage green and very massive; height, $3\frac{1}{2}$ feet. Roots, 25c. each; doz., \$2.50; \$15.00 per 100. Plants, 35c. each; doz., \$3.50; \$20.00 per 100.

alia. Scarlet, broadly edged yellow, orchid type; one of the best of the older sorts. Green foliage; 5½ ft. high. Roots, 15c. Italia.

each; doz., \$1.50; \$10.00 per 100.

King Humbert. Truly a king among cannas, because of its majestic growth, which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad and of wonderful robust habit, growing $4\frac{1}{2}$ feet high. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

King Midas (New). Very large flowers of glittering gambogeyellow; glorious trusses on straight stems, crowned with their masses of flowers; blooms all summer; a true Canna Aristocrat;

5 feet. Roots or plants, 85c. each.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 41/2 feet high. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Mme. Crozy. Scarlet, bordered golden yellow; green foliage;

3 feet. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Mohawk (New). Large flowers, with long petals, that withstand hot sun and rain; color is brilliant poppy red, toning to carmine; bronze foliage; 5 feet. Roots, or plants 60c. each.

Morning Glow. Large flowering; color, shell pink; light green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.50 per 100.

Mrs. Alfred F. Conard. The gigantic flowers which are borne in immense clusters, are of delightful salmon pink, a shade which becomes more brilliant as the flower develops. Foliage is light green; 4 feet. Roots, 30c. each; doz., \$3.00; \$17.50 per 100. Plants, 40c. each; doz., \$4.00; \$25.00 per 100.

Richard Wallace. Gigantic clusters of light yellow flowers; green foliage. $4\frac{1}{2}$ feet. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Rosea Gigantea. The largest pink canna in existence; color, a rich rose pink; free bloomer; foliage green; height, $3\frac{1}{2}$ feet. Roots, 30c. each; doz., \$3.00; \$17.50 per 100. Plants, 40c. each; doz., \$4.50; \$25.00 per 100.

The President. This splendid new variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom to any other red variety; green foliage; 4 feet. Roots, 20c. each; doz., \$2.00; \$12.00 per 100. Plants, 35c. each; doz., \$3.50; \$20.00 per 100.

Wintzer's Colossal. Vivid scarlet flowers of immense size; profuse bloomer; height 5 feet; green foliage. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Wyoming. Orange chrome red; bronze foliage; 6½ feet. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

Yellow King Humbert (Queen Helen). This is a sport of the

well-known bronze-leaved variety, but this sort has green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red. Roots, 15c. each; doz., \$1.50; \$10.00 per 100.

CANNAS IN MIXTURE

This mixture is made up of named sorts, but not separate; acquired while cannas are being divided for resale, it contains a splendid assortment. 12c. each; doz., \$1.25; \$7.00 per 100.

PRICES OF CANNA PLANTS

Please note that the prices quoted above are for dry roots. If plants are wanted they are ready about May 10th, and will be supplied at the following prices (except where noted); 30c. each; doz., \$3.00; \$17.50 per 100. Please specify if roots or plants are wanted, when ordering.

NEW AND MERITORIOUS VARIETIES

Single tubers of Dahlias mailed at 5c. each additional for parcel post.

Adelaide C. Wingate (Hybrid-cactus). Rosy pink, with a faint reflex of yellow around center. Flowers of enormous size with wide spread petals. A variety that will surely become a favorite with all who raise it. Tubers, \$3.00 each

Albonita (Decorative). An immense flower of a bright glowing pink, shading to a rich golden yellow at the center. The formation is unusual on account of the

great depth of the petal and fullness of the flower. Tubers, \$2.50 each.

Amanda D. Greinberg. (Hybrid-cactus). Soft, dark crimson; very large flower with long, loose, broad petals; never shows open center. This is an unusual

variety. Tubers, \$2.00 each.

Ambassador (Cactus). The color is a soft yellow buff, shaded salmon-pink; flowers of pleasing form and of immense size. The blooms are held erect above the

foliage on strong stems. Tubers, \$10.00 each.

Amun Ra (Decorative). Of immense size, and entirely new formation; resembles in color a glorious setting sun. The colors are copper and orange, deepening in center to a rich, dark, reddish bronze. Always a prize winner. Tubers, \$7.50 each.

Barbara Latz (Paeony). Very large and free in bloom. It has fine upright stems and is very showy in its soft

yellow tone. Tubers, \$2.50 each.

Bashful Giant (Decorative). One of the largest dahlias ever produced and excellent for exhibition purposes. The color is apricot with golden shadings, a very beautiful flower. Tubers, \$7.50 each.

Black Beauty (Paeony). Deep maroon, shading to almost black; flowers of good size with strong stems.

Tubers, \$2.50 each.

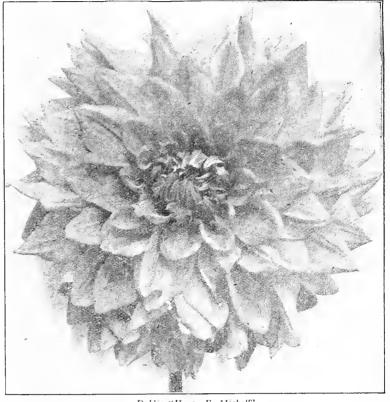
Bonnie Brae (Decorative). Cream, shaded blush pink: the flowers are true decorative form, and immense in size. A wonderful exhibition flower. Tubers, \$2.50 each.

Champagne (Decorative). The color is rare and delightful, a dull golden champagne, varying to chamois. The stem is heavy and holds the massive flowers absolutely upright. Tubers, \$8.00

E. J. Titus (Paeony). Color, bright buttercup yellow, of true paeony type. The petals are large and have a graceful twist; the inner petals are smaller and nicely curled about the center. Some blooms are almost decorative in type. Tubers, \$2.50 each.



Decorative Dahlia, Bonnie Brae



Dahlia "Henru F. Michell"

Esther R. Holmes (Hybrid-cactus). Orchid pink flower of wonderful formation and depth. A continuous first prize winner. Tubers, \$5.00 each.

Giant Ruby (Decorative). Deep scarlet; an enormous flower with great depth. A prolific bloomer with long, stiff stems; extra

great depth. A prolific bloomer with long, some good for exhibition. Tubers, \$10.00 each.

Gladys Sherwood (Hybrid-cactus). A giant among pygmies; flowers often nine inches in diameter, of fine form and are held to strong stems; one of the best whites. Tubers,

Gypsy Queen (Hybrid-cactus). Yellow tinted with red; fine for cut flowers, also garden decoration. \$1.50 each.

Henry F. Michell (Decorative). Produces immense, heavy flowers of a true brilliant scarlet, 8 to 9 inches in diameter and from 5 to 6 inches in depth. The growth of this variety is remarkable, attaining a height of 7 to 8 feet without forcing. Tubers, \$5.00 each.

Hercules (Decorative). Quilled, of enormous size; the beautiful flowers are carried proudly on long, stout stems; color, tangerine and deep yellow, the reverse of the petal is shaded tangerine and they are so placed that they blend in a most attractive way with the deep yellow of the flower. Exceptionally free bloomer. Tubers, \$7.50 each.

Isola Bella (Hybrid-cactus). Yellow shaded with salmon; medium size flowers with good stems; excellent cut flower. Tubers, \$2.00 each.

J. Otto Thilow (Decorative). A new formation in dahlias; the extra large blossoms are held very erect on fine stems; the petals are long and pointed and arranged in a very regular manner, reminding one of a double poinsettia. The color is a cardinal red without shading. Certificate of merit from Dahlia Society of California Trial Gardens, 1922. Tubers, \$2.00 each.

Judge Marean (Decorative). This wonderful big flower is borne on fine, upright stems. The color is salmon pink, yellow and red in such combination as to give an

iridescent effect. Tubers, \$5.00 each.

NEW AND MERITORIOUS VARIETIES

Single tubers of Dahlias mailed at 5c. each additional for parcel post.

Jean Chazot (Cactus). One of the finest of the autumn tinted cactus varieties for cutting as well as for garden decoration. The flowers are of good size, very graceful formation and held on long stiff stems; the color is a capucine or Nasturtium-red with golden suffusion, frequently tipped with golden yellow. Tubers, \$1.50 each.

Kenneth Doolittle (Decorative). Giant flowers on splendid stems; color, crimson scarlet, exceptionally fine. Tubers,

\$2.00 each.

Kitty Dunlap (Decorative). A beautiful variety that blooms all season freely. The immense flowers have great substance and are borne on long, firm stems; the color is a delightful shade of the American Beauty Rose. Tubers, \$4.00 each.

Laddie (Decorative). Soft, yellow shades of orange; the large flowers are produced in profusion, and are always held erect on strong stems. Tubers, \$2.00 each.

Lady Betty (Decorative). A large finely formed flower, produced on strong, stiff stems; color, creamy white with a pink suffusion, attractive and lovely color. Tubers, \$3.00 each.

 Laurine (Hybrid-cactus). The color is deep pink; the flowers are large and held erect on long stems. Tubers, \$5.00 each.
 Lecian Von Bernuth (Hybrid-cactus). Flame color, shading to yellow center; flowers average 8 inches or over and are held

well above the foliage. Tubers, \$5.00 each.

Liberty Bond (Decorative). A blending of buff, bronze and salmon shades, very difficult to describe. The flowers are very large and held on strong, erect stems. Tubers, \$2.50

As an exhibition flower this variety has Mephistopheles. no peer; large blooms held perfectly erect on gigantic stout stems, will keep for days at an exhibition and continue to grow. Color, ruby red, showing golden yellow points at the very end of the petals, therby greatly enhancing its effective-

ness. Tubers, \$7.50 each.

Miss Underwood (Hybrid-cactus). Beautiful pure white, waxy flowers, held on good stems. A very pleasing and attractive flower. Tubers, \$1.00 each.

Mrs. Alvin A. Parker (Hybrid-dec.). Beautiful orange-flame; flowers very large on long, stiff stems. A free bloomer and a variety suitable for all purposes; has met with great favor wherever exhibited. Tubers, \$10.00 each.

Mrs. Carl Salbach (Decorative). The immense blooms of mauve pink are held erect on extra long strong stems. A perfect exhibition and cut-flower variety. Tubers, \$1.50 each.

Mrs. Chas. Biddle (Show). Flowers large; color, yellow tinted purple. Tubers, \$2.00 each.

Mrs. Ethel F. T. Smith (Cactus). Creamy white, shading to a lemon tint in the center. It has produced flowers $10\frac{3}{4}$ inches in diameter; strong stems. Tubers, \$3.00 each.

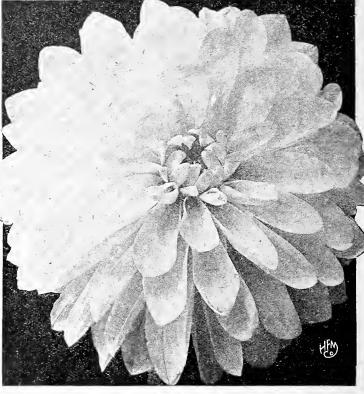
Mrs. Geo. W. Elkins, Jr. (Decorative). The flowers are very large (8 to 9 inches in diameter) and of perfect decorative type, always full to the center. The color is a beautiful old gold, suffused salmon pink, with faint reflex of rosy pink. It is a perfect garden and exhibition variety with exceptional keeping qualities. Won the Certificate of Merit at the California Trial Grounds and Trial Gardens at Storrs, Conn., 1922. See color plate, opposite page 100. Tubers, \$2.50 each.

Mrs. I. De. Ver Warner (Decorative). An immense lavender, held on fine, long stems; very strong grower and free bloomer; an exhibition variety of great merit. Tubers, \$7.50 each.

Mrs. James A. Babbitt (Decorative). A deep yellow with reverse of petals overlaid with crimson, a very unusual combination of color. The blossom is very formal in formation in the early stage, but as the flower expands, the long petals curve in, showing the reverse, giving a two-tone effect. The flowers are immense in size and very attractive. Certificate of Merit at California Trial Gardens, also at Storrs, Conn., 1922. Tubers, \$2.50 each.

Mrs. John M. Root (Hybrid-cactus). An enormous flower of pure canary yellow. One of the largest varieties ever produced; the petals are long, broad and slightly twisted, giving the flower great diameter and depth. The bushy plants attain a height of 6 to 7 feet without forcing. Winner of the Penna. Horticultural Society Silver Medal in 1922 and 1923. Tubers, \$25.00 each.

Mrs. W. T. Hunter (Hybrid-cactus). Beautiful pink flowers of large size; good for all purposes. Tubers, \$1.50 each.



Decorative Dahlia, Patrick O'Mara

Mrs. Leo Niessen (Hybrid-cactus). One of the best commercial cut flower varieties. A Florida creation, selected late in the season when so many varieties were opened centered; the plants of this variety were covered with perfectly full flowers; color, yellow at base, suffused and tipped a rich bronzy red. Tubers, \$1.00 each.

Mt. Shasta (Hybrid-cactus). A light shell pink with a faint tinge of yellow showing towards the center; an extra fine, full deep flower of large size. Tubers, \$2.00 each.

Patrick O'Mara (Decorative). This new variety was awarded a Gold Medal by the American Dahlia Society. The color is a soft and pleasing shade of orange-buff with salmon-red suffusion. Flowers are large and produced on long stiff stems. Tubers, \$1.00 each.

Paul Michael (Cactus). Deep orange buff, shading to old rose on the reverse of petals. One of the largest varieties to date. Tubers, \$5.00 each.

Pride of Wayne (Decorative). Produces flowers of enormous size, on stiff stems, rich plum color. A fine exhibition variety. Tubers, \$3.00 each.

Red Rover (Decorative). Rich, crimson-red; flowers extra large, composed of very broad petals, held on the finest possible stems; this variety is in a class by itself and is distinct from any other variety. Tubers, \$3.00 each.

Rosa Nell (Decorative). The color is a clear, bright rose; the flowers are large and come perfectly full and double until frost; good stems and habit; the color and form are rare and attract immediate attention. Tubers, \$3.00 each.

The Emperor (Decorative). A large maroon of the finest type; the flowers are made up of long flat petals; stems extra long. Tubers, \$7.50 each.

The Screamer (Paeony). The coloring is violet purple, suffused mauve. The giant flowers are held on long, strong stems; an exceptional dahlia. Tubers, \$3.50 each.

The U.S. A. (Decorative). A truly beautiful flower of vivid orange. The mammoth flower has a very unique formation

and is held on a good stem. Tubers, \$3.50 each.

Valley Forge (Decorative). Flowers of enormous size on stiff stems; color, light purple tinted with white. Fine for exhibition. Tubers, \$5.00 each.

GENERAL LIST OF FINE STANDARD VARIETIES

See pages 97 and 98 for New and Meritorious Varieties

Our list of Dahlias has this year been most carefully revised and is made up of the newer and better sorts of more recent and is made up of the newer and better sorts of more recent introduction. The tendency of buyers seems to be toward this end, and for that reason our action. If our customers want some of the older standard sorts not found in our list, we shall be pleased to supply them when available.

Note.-Unless specially requested we do not send Dahlias out until about March 15th to April 1st.

The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms, before that time should not be attempted. To get large flowers, the plants should be disbudded up to August 1st.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or, better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from $2\frac{1}{2}$ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake. Keep the ground well cultivated and free from weeds. Never leave more than one shoot to a plant if you want to grow exhibition flowers. You will have better plants and larger flowers.

About Dahlia Plants. It happens sometines that there is an unusually large demand for certain varieties, and our stock of roots becomes exhausted. In such instances we will send out strong plants after May 1st, after which time most all Dahlia orders for plants are filled, these give equally as good results as tubers or roots.

Single tubers of Dahlias mailed at 5c. per tuber additional for parcel post.

A. C. Ide (Paeony). Dark garnet. 35c. each; doz., \$3.50. Albert Manumene (Collarette). Velvety crimson purple with white tips. 35c. each; doz., \$3.50.

Alewine (Pompon). Delicate pink, tinted lilac. 35c. each; doz.,

Attraction (Cactus). Perfect clear lilac rose flowers on long, strong stems; finest cut flower variety. 75c. each; doz., \$7.50. Autumn Century (Single). Old rose and yellow. 35c. each; doz., \$3.00.

Avalanche (Decorative). Pure white flowers of enormous size. 75c. each; doz., \$7.50.

Berth von Heemsteede (Paeony). Yellow, suffused bronze. 35c. each; doz., \$3.50.

Bessie Boston (Decorative). Cardinal red, finely cut petals. 50c. each; doz., \$5.00. Big Chief (*Paeony*). Red. 35c. each; doz., \$3.50.

Billioniare (Paeony). Enormous flowers; free bloomer; color, golden orange. \$1.25 each.

Bobby (Pompon). Plum color; one of the best. 35c. each;

doz., \$3.50.

Break O'Day (Decorative). Clear, sulphur yellow; large flower. 35c. each; doz., \$3.50. Candeur (Cactus). White, long stems; fine for cutting. 50c. each;

doz., \$5.00.

Catherine (Pompon). Bright yellow; free bloomer. 35c. each; doz., \$3.50. Cream Century (Single). Creamy white; very attractive. 30c.

each; doz., \$3.00. Crepuscule (Cactus). Yellow shaded orange. 40c. each; doz.,

\$4.00. Cuban Giant (Show). Garnet red; large ball shaped flowers.

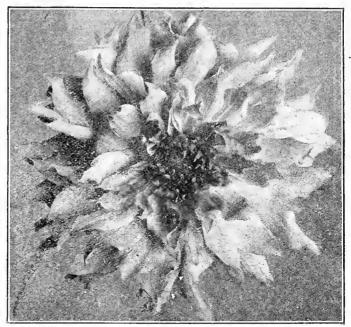
35c. each; doz., \$3.50. Decision (Cactus). Bronze color; very large. 60c. each; doz.,

\$6.00. Diana (Paeony). Dark red; very large flower. 60c. each;

doz., \$6.00. Dream (Decorative). Beautiful pink; fine cut flower. 65c. each; doz., \$7.00.

Dr. Tevis (Decorative). Salmon rose. \$1.25 each.

Edith Cavell (Single). Red and white. 35c. each; doz., \$3.50. Elsie (Cactus). Buttercup yellow, gradually shading to tyrian rose at base. 40c. each; doz., \$4.00.



Cactus Dahlia, Attraction

Etendard de Lyon (Decorative). Magenta; very large flower. 50c. each; doz., \$5.00.

Francis White (Cactus). Pure white; long stems. 35c. each;

doz., \$3.75.

Fringed 20th Century (Single). Pink, shaded white, frilled petals. 50c. each; doz., \$5.00.

F. W. Fellows (Cactus). Bright orange scarlet; huge flowers of

perfect shape. 60c. each; doz., \$6.00.

Geisha Century (Single). Red and yellow. 30c. each; doz.,

Gen'l. Pershing (Decorative). Creamy white. 50c. each; doz., \$5.00

Geo. Walters (Hybrid-cactus). A lovely pinkish-salmon, suffused with gold in the center; one of the largest and best varieties to date. A wonderful bloomer with long stout stems. 75c. each; doz., \$8.00.

Glory of Baarn (Paeony). Lavender. 50c. each; doz., \$5.00. Glory of Nikirk (Paeony). Deep claret purple. 60c. each; doz., \$6.00.

Golden Century (Single). Golden yellow. 35c. each; doz., \$3.50. Golden West (Cactus). Golden shrimp pink. 60c. each; doz.,

\$6.00. Hocksai (Decorative). Red and yellow; a beauty. 50c. each:

doz., \$5.00. Hortulanus Fiet (Decorative). Rich salmon pink. 75c. each;

doz., \$7.50. Hortulanus Witte (Decorative). White, free bloomer; good cut

flower variety. 35c. each; doz., \$3.50.

Indian Chief (Pompon). Bright red. 35c. each; doz., \$3.50. Insulinde (Decorative). Rich golden bronze; a beautiful variety. \$1.75 each.

John Wanamaker (Paeony). Lavender pink; a good cut flower variety. 50c. each; doz., \$5.00.

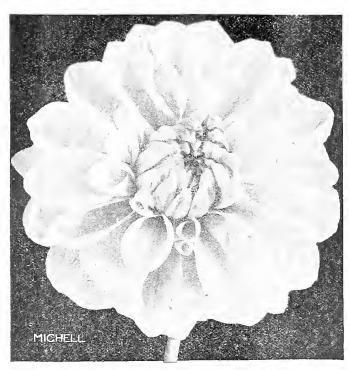
Jonkheer Boreel (Decorative). Salmon yellow. 75c. each; doz.,

Kalif (Cactus). Vivid turkey red; very large. 75c. each; doz., \$7.50.

King Albert (Decorative). Excellent cut-flower; purple. 80c. each; doz., \$9.00.

Klein Domitea (Pompon). Bright amber. 30c. each; doz., \$3.00.

Kramer Peacock (Decorative). White; fine for cutting. 50c. each; doz., \$5.00.



Show Dahlia "Maud Adams'

Lawine (Cactus). White, with slight suggestion of lavender. 40c. each; doz., \$4.00.

Marguerite Bouchon (Cactus). Pink, tipped white. 60c. each; doz., \$6.00.

Marjorie Castleton (Cactus). Soft pink; very free bloomer.

Marjorie Castleton (Caccas).
35c. each; doz., \$3.50.

Mary Stevenson (Decorative). Citron petals at base, outer petals rose; large yellow flowers. 75c. each; doz., \$8.00.

Mand Adams (Show). White, suffused lilac; very free bloomer.

40c. each; doz., \$4.00.

Maurice Rivoire (Collarette). Rich crimson maroon, white collar. 35c. each; doz., \$3.50.

Mignon (Decorative). Lavender pink., 40c. each; doz., \$4.00. Millionaire (Decorative). Giant lavender, shading to white at the center. \$1.50 each.

Mina Burgle (Decorative). Dark scarlet. 40c. each; doz., \$4.00. Mme. A. Lumiere (Decorative). Very attractive; white edged lilac rose. 35c. each; doz., \$3.50.

Mme. Butterfly (Decorative). Violet rose, shading darker at base.

75c. each; doz., \$7.50. Mme. Bystem (*Paeony*). Lavender. 50c. each; doz., \$5.00. Mme. Eschenauer (*Decorative*). Sulphur white, suffused pale lilac. 65c. each; doz., \$6.50.

Mrs. Chas. Turner (Cactus). Yellow flowers on long stems. 50c. each; doz., \$5.00. Mrs. C. H. Breck (Cactus).

Yellow, shaded old rose; large

flowers. 45c. each; doz., \$4.50.

Mrs. Edna Spencer (Cactus). A delicate and exquisite shade of orchid pink. \$1.00 each; doz., \$9.00.

Mrs. G. Siet (Cactus). Yellow shaded apricot. 50c. each; doz.,

\$5.00.

Mrs. J. Emberson (Cactus). Apricot. 60c. each; doz., \$6.00. Mrs. J. Gordon (Paeony). Large, yellow flowers. 50c. each; doz., \$5.00.

Mrs. Roosevelt (Decorative). Beautiful shell pink. 75c. each; doz., \$7.50.

Mrs. Thomas Burch (Decorative). A combination salmon, tan and old gold. 75c. each; doz., \$7.50.

Mrs. Warnaar (Paeony). White overlaid blush pink. \$1.00 each. Nialide (Decorative). Yellow base, shading to dark rosy red; long stems. \$1.00 each.

Nibelungenhort (Cactus). Sunflower yellow, tipped violet rose; fine cut flower. 75c. each; doz., \$8.50.

Oregon Beauty (Decorative). Oriental red. 35c. each; doz.,

\$3.50.

Single tubers of Dahlias mailed at 5c. per tuber additional for parcel post.

Parthos (Decorative). Purple shading to lavender. 65c. each;

doz., \$6.50. Perle de Lyon (Cactus). Pure white. 35c. each; doz., \$3.50. Pierrot (Cactus). Deep amber, usually tipped white. 65c. each;

doz., \$6.50. President Lincoln (Paeony). Purple, yellow center. 60c. each; doz., \$6.00.

Pride of California (Decorative). A brilliant, glowing cardinal red, of very large size. 65c. each; doz., \$7.00.

Princess Juliana (Paeony). Pure white; fine cut flower. 35c.

each; doz., \$3.50.

Queen Elizabeth (Paeony). Beautiful rosy mauve; free bloomer. 35c. each; doz., \$3.50.

Queen of Hearts (Cactus). White, with creamy yellow at base of petals. 35c. each; doz., \$3.50.

Queen Wilhelmina (Paeony). Pure white; free bloomer. 40c. each; doz., \$4.00.

Rantendelein (Single). Red, tipped white. 35c. each; doz., \$3.00.

Rhaden Kartini (Paeony). Old rose, with gold center. 75c. each; doz., \$7.50.

Rothat (Pompon). Red. 50c. each; doz., \$5.00.

Sequoia (Cactus). Fawn yellow, free bloomer. 35c. each; doz.,

Snowclad (Pompon). Small white; very free. 35c. each; doz., \$3.50.

T. G. Baker (Cactus). Golden yellow. 50c. each; doz., \$5.00. The Lion (Cactus). Reddish salmon. \$1.00 each; doz., \$9.00. Twentieth Century (Single). Pink, shading to white. 35c. each;

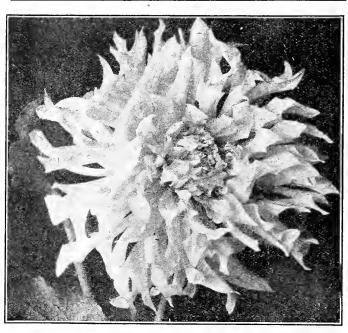
doz., \$3.50 Wacht Am Rhein (Cactus). Delicate pink with white suffusion.

75c. each; doz., \$7.50. White Century (Single) Pure white. 35c. each; doz., \$3.50. Wodan (Cactus). Salmon color; a splendid cut flower variety.

65c. each; doz., \$6.50. Yellow King (Cactus). Golden yellow; very large. 35c. each; doz., \$3.50.

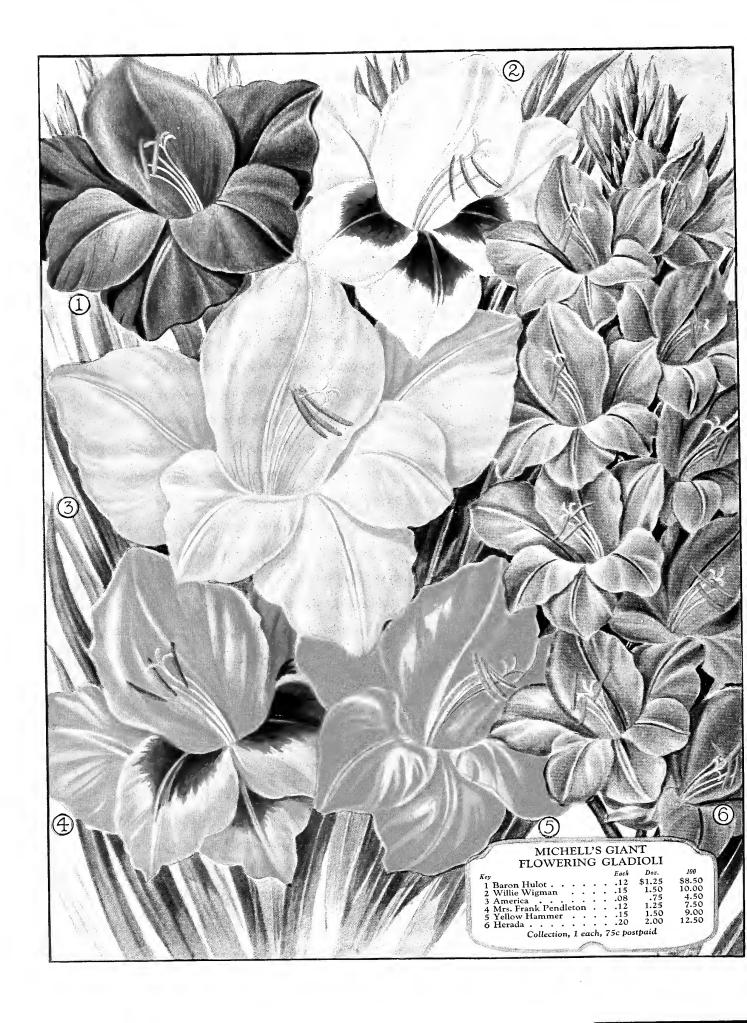
DAHLIAS TO COLOR

Though named sorts, these are not labeled to variety, furnished in the following types and colors: Cactus, Show, Single and Decorative; in Pink, Red, White and Yellow, each separate. Price, 25c. each; doz., \$2.50.



Cactus Dahlia, Yellow King





MICHELL'S SUPERB GLADIOLI

What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit; and there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

If Gladioli Bulbs are wanted by parcel post, add 15c. per doz., 35c. per 100, for postage. Single bulbs mailed free at quoted prices for same.

America. One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong, and will last a long time after being cut. See color plate opposite. 8c. each; doz., 75c.; \$4.50 per 100.

Augusta. Produces graceful, slender stems, which are dressed with beautiful flowers of pure white, slightly tinged and striped pink, which open all at one time. 8c. each; doz., 85c.; \$5.50 per 100.

Baron Hulot. Large flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. See color plate opposite. 12c. each; doz., \$1.25; \$8.50 per 100.

Bertrex. Stands at the top of all existing white varieties; flowers are of good substance and of the size and form of America. 20c. each; doz., \$1.75; \$12.00 per 100.

Brenchleyensis. One of the best for bedding or planting in front of shrubbery. The flowers are of a vermillion scarlet color. 10c. each; doz., \$1.00; \$5.00 per 100.

Chicago White. One of the leading varieties for cut flower purposes. Pure white with lavender markings in the throat; early blooming. 10c. each; doz., \$1.00; \$6.00 per 100.

Empress of India. Maroon black; very dark, rich and fine. 12c. each; doz., \$1.25; \$8.50 per 100.

Evelyn Kirtland. Flowers of strong substance; color, a beautiful shade of rosy pink, darker at the edges, fading to shell pink at the center, with scarlet blotches on lower petals. 20c. each; doz., \$1.75; \$12.00 per 100.

Glory of Holland. A grand flower; white, with light lilac markings in throat; flowers large and well placed on good-sized spikes. 12c. each; doz., \$1.25; \$8.00 per 100.

Gretchen Zang. Large, heavy blooms; a beautiful, soft shade of pink, blending into scarlet on lower petals. 15c. each; doz., \$1.50; \$9.00 per 100.

Halley. Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 10c. each; doz., 85c.; \$5.00 per 100.

Herada. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. See color plate opposite. 20c. each; doz., \$2.00; \$12.50 per 100.

Ida Van. A beautiful deep salmon red, or flaming orange pink. 15c. each; doz., \$1.25; \$8.00 per 100.

Kunderdi Glory. Large creamy white flowers, with crimson stripe in center of each petal; ends of petals ruffled. 20c. each; doz., \$1.50; \$10.00 per 100.

Le Marechal Foch. One of the most wonderful novelties; flowers of immense size, beautifully ruffled; color, salmon pink, flaked and striped deeper at edges of petals. 25c. each; doz., \$2.50; \$12.50 per 100.

Lily Lehman. Blush white, tinged with pink; splendid flowers, arranged around the stem like water lilies. 20c. each; doz., \$2.00; \$9.00 per 100.

L'Immaculee. Pure white; early; large spikes; fine for cutting. 20c. each; doz., \$1.50; \$10.00 per 100.

Loveliness. Flowers large and open; color, creamy white, slightly suffused apricot: 20c. each; doz., \$1.50; \$10.00 per 100.

Mary Fennel. Beautiful deep lavender flowers on tall slender spikes; lower petals penciled with primrose-yellow. 20c. each; doz., \$1.75; \$11.00 per 100.

Mrs. Dr. Norton. White, with edges of petals suffused with soft La France pink; flowers large. 25c. each; doz., \$2.25; \$14.00 per 100.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. 8c. each; doz., 85c.; \$5.00 per 100.

Mrs. Frank Pendleton, Jr. The color is a delicately flushed salmon pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. See color plate opposite. 12c. each; doz., \$1.25; \$7.50 per 100.

Mrs. Watt. A rich, clear wine red; flowers are well placed on stout spikes. 15c. each; doz., \$1.25; \$8.00 per 100.

Myrtle. A beautiful soft pink; flowers of large size and fine form. 20c. each; doz., \$1.75; \$12.00 per 100.

MICHELL'S SUPERB GLADIOLI

Niagara. A shade of rich cream combined with canary yellow; the individual flowers are very large and are borne in pairs, one opposite the other. 12c. each; doz., \$1.25; \$7.50 per 100.

If Gladioli Bulbs are wanted by parcel post, add 15c. per doz., 35c. per 100, for

Panama. For form and habit this has all the desirable features of the variety "America," but the wonderful color can best be described with that of the popular rose, "Mrs. Jno Laing," an incomparable rose pink. 12c. each; doz., \$1.00; \$6.50 per 100.

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers, well placed all along the stem. 12c. each; doz., \$1.25; \$7.00 per 100.

postage. Single bulbs mailed free at quoted prices for same.

Pink Perfection. Rose pink, with 8 to 10 flowers open at one time. The flowers are well expanded and of perfect form. 20c. each; doz., \$1.75; \$12.00 per 100.

Pride of Goshen. A giant salmon or flesh pink; flowers large, petals elegantly waved. 20c. each; doz., \$1.75; \$12.00 per 100.

Prince of Wales. Beautiful salmon-orange; flowers large; very early. 20c. each; doz., \$1.50; \$9.00 per 100.

Rouge Torch. Amber white, suffused with salmon-carmine, blotched with deep carmine red. 20c. each; doz., \$1.75; \$11.00 per 100.

Scarsdale. Long, graceful spikes of wide open flowers, of a pleasing lavender shade; a most unique and distinct color. 15c. each; doz., \$1.25; \$7.50 per 100.

Schwaben. One of the newer of the yellow varieties; a magnificent cut flower, because the flowers all open pretty much at one time. 15c. each; doz., \$1.25; \$7.00 per 100.

War. This is undoubtedly one of the largest flowered sorts; deep red, shaded crimson and showing 4 to 6 blooms at one time. 15c. each; doz., \$1.50; \$8.00 per 100.

Wilbrink. Lovely flesh pink with orange blotch on lower petals. 15c. each; doz., \$1.25; \$7.00 per 100.

Willie Wigman. Blush white with dark blotch, extra fine. See color plate opposite page 101. 15c. each; doz., \$1.50; \$10.00 per 100.

Yellow Hammer. The best yellow gladiolus. Extra large flowers. See color plate opposite page 101. 15c. each; doz., \$1.50; \$9.00 per 100.

TESTIMONIAL Mechanicsburg, Pa.

My order of Gladiolus bulbs arrived O. K.; they certainly are a fine looking lot of bulbs.

GLADIOLUS, PRIMULINUS VARIETIES

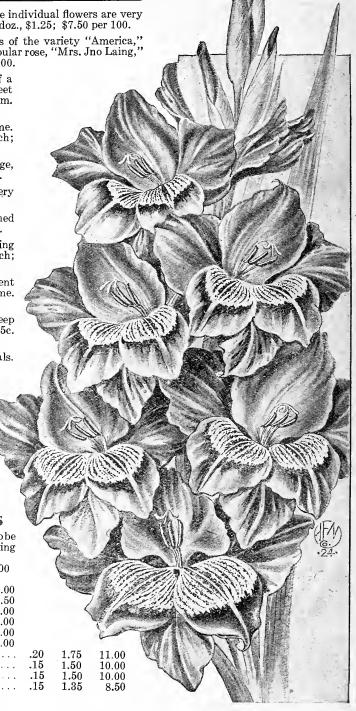
Flowers of distinct form and possess the clearest tints of color to be found. The spikes are very tall and graceful. Especially for cutting for vases and table decorations, they excel all other Gladioli.

Tot vases and table decorations, they excer an other G	iauron.	
Each	Doz.	100
Alice Tiplady. A splendid bright orange-		
saffron	\$1.75	\$11.00
Canarybird. Canary yellow	1.35	8.50
Flamingo. Deep flamingo pink	1.50	10.00
Flora. Light pink, white centre	1.50	10.00
Jewel. Light salmon, with golden yellow blotch .30	3.25	22.00
L'Unique. Bronze, with orange yellow center20	1.75	11.00
Maiden's Blush. Beautiful enchantress pink		
Salmon Queen. Beautiful clear salmon		
Sunbeam. Clear yellow; strong grower		
Sunray. Golden orange		

Primulus Major Hybrids, Mixed. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 10c. each; doz., 90c.; \$5.00 per 100.

UNNAMED GLADIOLI (In Separate Colors)

I	Each	Doz.	100
White and Light Shades	80.08	\$0.80	\$5.00
Yellow and Orange-All shades	.09	.90	6.00
Red and Scarlet	.08	.80	5.00
Pink and Rose	.08	.80	5.00
Striped and Variegated	.08	.80	5.00



MIXTURES OF GLADIOLI

Michell's Giant Flowering. Every bulb for this mixture has been selected with the utmost care for coloring and size of flower; no other mixture can boast of such careful selection. It is principally grown in our own nursery. 7c. each; per doz., 75c.; \$5.00 per 100.

Extra Choice. All colors mixed. A splendid assortment of first size bulbs, embracing practically all the shades of color in the gladioli family. 6c. each; doz., 60c.; \$3.75 per 100.

MICHELL'S HARDY GARDEN LILIES



If Lily Bulbs are wanted by Parcel Post, add 25c. per doz. for postage. (Single bulbs mailed free.)

Garden Lily Culture is covered by our book "Garden Pointers" ask for a free copy.

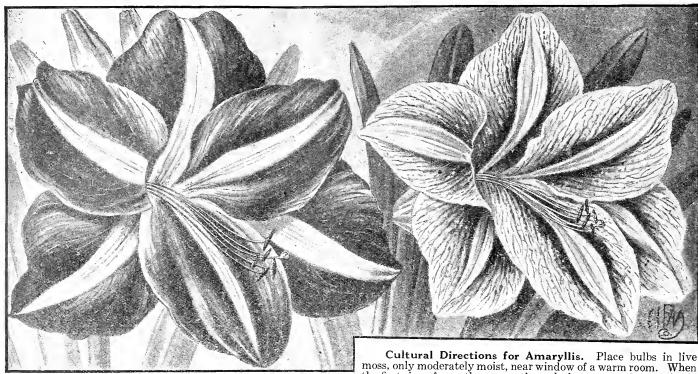
JAPANESE LILIES

Auratum (Golden Banded Lily). Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant.

Each Doz. 100 \$3.75 5.25 \$25.00 Monster Bulbs, 11 to 13 inch circum..... 6.50 .60 Speciosum Album. The best late flowering pure white hardy garden lily; of easy culture. The graceful stems and foliage are set off to wonderful advantage by the pure white blooms. Each Doz. \$3.75 5.25 \$25.00 Large Bulbs, 8 to 9 inch circum..... \$0.35 37.50 Mammoth Bulbs, 9 to 11 inch circum..... .50 6.50 Monster Bulbs, 10 to 12 inch circum..... .60 45.00 Speciosum Magnificum. An enormous flower; rich deep pink, spotted crimson; height, 3 feet; flowers in August. Each Doz \$25.00 \$3.75 5.25 37.50 45.00 Monster Bulbs, 11 to 13 inch circum..... .60 6.50

BULL			MUS
SPECIOSUM HEM LILIUM	y 51	ECIU	SUM BRUM
10.019	1.2	7.	- 20.4
Melpomene. Rich, deep pink, spotted dark flowers in August.			
	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum\$ Mammoth Bulbs, 9 to 11 inch circum	50.30 50	$$3.75 \\ 5.25$	$$25.00 \\ 37.50$
Monster Bulbs, 11 to 13 inch circum	.60	6.50	45.00
Speciosum Rubrum or Roseum. Delicate	e pink		t white,
spotted red; one of the old garden favor flowers in August and September.	-	_	
Large Bulbs, 8 to 9 inch circum	Each	Doz. \$3.75	$100 \\ 25.00
Mammoth Bulbs 9 to 11 inch circum	.50	5.25	37.50
Monster Bulbs, 11 to 13 inch circum	.60	6.50	45.00
Tigrinum Splendens (<i>Tiger Lily</i>). Orange,			
spotted black; double	.30	3.00	22.50
Tigrinum Splendens. Single	.30	3.00	20.00
MISCELLANEOUS JAPANES		Each	Do-
Batemanni. Apricot colored; 3 feet; July			Doz. \$4.00
Brownii. White inside, outside brown Hansoni. Often grows from 3 to 5 feet high;		75	7.50
reddish orange, 8 to 12 in a cluster		75	7.50
Henryi (Yellow Speciosum Lily). Tall grower, often 7 feet; produces flowers of a distinct	,		
orange vellow in great profusion		75	7.50
Krameri. Blush pink; 3 feet; August Macranthum. Giant Golden Banded Lily		50	4.50
Macranthum. Giant Golden Banded Lily	• • • •	75	$\frac{7.00}{11.00}$
Wittei. Very fragrant; white, yellow band			
AMERICAN OR NATIVE	LI		
	Each	Doz.	100
Canadense (Canadian Bellflower Lily). Bright	,		
yellow flowers, spotted black inside; June and July; 2 feet	0.20	\$2.00	\$15.00
Canadense Rubrum. Same type as above;		Ψ2.00	φ10.00
crimson with black spots	.35	3.50	25.00
Davuricum. Upright scarlet flowers	.25	2.50	15.00
Elegans Bicolor. Bright red flushed Elegans, Leonard Joerg. Rich apricot pink	$.50 \\ .35$	$\frac{5.00}{3.50}$	$\frac{35.00}{20.00}$
Superbum (Turk's Cap Lily). Grows from	.50	0.00	40.00
3 to 6 feet high and produces from 15 to			
25 orange red flowers on a stalk.	.25	2.50	15.00
Tenuifolium (Coral Lily). Brilliant scarlet Wallacei. Bright apricot	.25 .35	$\frac{2.50}{3.50}$	$\frac{15.00}{22.50}$
· ·			<i>44.00</i>
LILIUM REGALE (Myrio			d satis-

Introduced from China; one of the most beautiful and satisfactory of all garden lilies. The stalk is slender, with narrow, grass-like leaves; it is absolutely hardy; also splendid for forcing, flowers are white suffused with pink, shaded canary yellow. Large Bulbs, 85c. each; doz., \$9.00; \$65.00 per 100.



Amaryllis, Hybrids of Vittata

AMARYLLIS

One of the most gorgeous showy house plants, giving splendid satisfaction, not only because of their requiring little care, but also on account of their everlasting nature and tendency to increase.

If wanted by Parcel Post, add 25c. per doz. for postage (except where noted).

Belladonna. A beautiful bright pink. 50c. each; doz., \$5.00. Formosissima. Crimson. 25c. each; doz., \$2.50. Hippeastrum Equestre. A garden species, producing large, bright red flowers. 60c. each; doz., \$5.00. Hybrids of Vittata. The finest race of Amaryllis in cultivation,

exceeding in the size and fine form of their flowers as well as in the diversity of colors and markings all former hybrids; flowers striped and flaked. \$1.00 each (by mail, \$1.10); doz., \$11.00 (by mail, \$11.50).

BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then. SINGLE REGONIAS

SINGLE DEGUNIAS							
Each	Doz.	100	Each	Doz.	100		
Crimson.\$0.30	\$3.00	\$22.50	Scarlet \$0.30	\$3.00	\$22.50		
Orange .30	3.00	22.50	White	3.00	22.50		
Pink30	3.00	22.50	Yellow30	3.00	22.50		
Salmon30	3.00	22.50	Mixed30	3.00	22.50		
DOUBLE BEGONIAS							
Each	Doz.	100	Each	Doz.	100		
C CO 95	@9 7E	007 FO	Samulat CO 25	@9 7 E	007 FA		

Eacn	Doz.	100	1 1	sacn	Doz.	100
Crimson.\$0.35	\$3.75	\$27.50	Scarlet \$	0.35	\$3.75	\$27.50
Pink35	3.75	27.50	White	.35	3.75	27.50
Salmon35	3.75	27.50	Yellow	.35	3.75	27.50
			Mixed	.35	3.75	27.50

BEGONIA, CRISPA

The edge of each flower petal is exquisitely frilled.

White.. Orange. Crop failed. Yellow Crop failed. Pink. Scarlet ... Mixed.

BEGONIA, CRISTATA

Beautiful crested single flowers.

Orange Pink Scarlet	Crop failed.	White Yellow. Mixed	Crop failed.
	,		

moss, only moderately moist, near window of a warm room. When the first sign of growth appears through the top, pot them up in six inch pots; when the bulb is set, most of it should be above the soil. Water moderately at first, but increase as growth increases, then place in a warm, light room near the window.



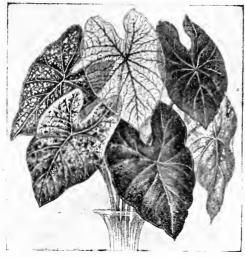
Tuberous Rooted Begonias, Single and Double

If Begonia bulbs are wanted by parcel post, add 15c. per doz., 35c. per 100, for postage. (Single bulbs mailed free.)

MICHELL'S MISCELLANEOUS SUMMER-FLOWERING BULBS

FANCY LEAVED CALADIUMS

These are grown for us by one of the leading Hybridizers of the world. They are the most charming conservatory plants. Being of a tropical nature. they like a warm temperature. They do quite well outdoors during the summer, if planted in a shaded place. The foliage covers a wide range of colors, making a grand display. The bulbs should be



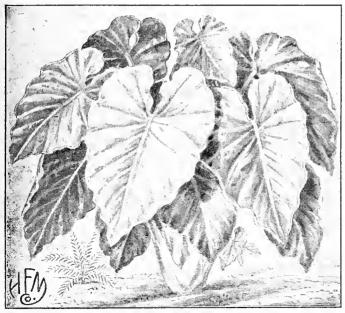
Fancy Leaved Caladiums

Started in moss with plenty of bottom heat.

Price of Fancy Leaved Caladiums in named varieties. 35c. each; doz., \$3.50 (by mail, \$3.60); \$22.50 per 100.

Mixed Varieties. 30c. each; doz., \$3.00 (by mail, \$3.10); \$20.00

per 100.



Caladium Esculentum

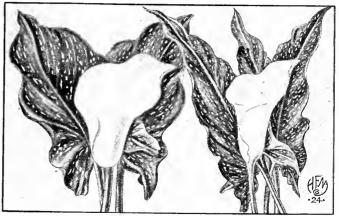
CALADIUM ESCULENTUM (Elephant's Ear)

As centerpieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. Do not plant outdoors until after May 1st, but to get them in early growth, they may be started indoors.

may be builted interest	Each	Doz.	100
			100
Monster Bulbs, 11-13 in. circum.			\$27.50
Mammoth Bulbs, 9-11 in. circum.	.30	3.00	17.50
First Size Bulbs, 7-9 in. circum.	.20	2.00	10.00
If wanted by parcel post, add 5c. to the	price	of single	bulbs;
30c. to the dozen price for postage.		J	

Testimonial

The bulbs I got from you last year were the finest that I have Mrs. W. D. B. ever had.



Yellow Calla

Spotted Calta

CALLAS

Splendid as a pot-plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted out. If wanted by parcel post, add 5c. on single bulbs or 15c.

per doz. for postage. Elliottiana. Yellow flower as large as the common white Calla; spotted leaf (Mammoth bulbs) . . . \$5.00 \$37.50 Spotted. Flowers white; foliage green, 3.00 20.00



Gloxinias

GLOXINIAS

A gorgeous plant either for the conservatory or garden. The plants must be well shaded from sunlight and placed in a position free from draught. They should be given but little water until active root growth commences. Bulbs may be started as early as January, but should not be set outdoors until after May 15th.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100 for postage.

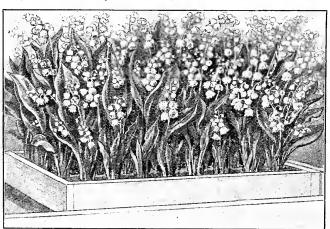
Each	Doz.	100
Purple bordered White\$0.40	\$4.00	\$30.00
Purple	4.00	30.00
Red	4.00	30.00
Scarlet bordered White	4.00	30.00
White	4.00	30.00
Mixed	4.00	30.00



Ismene Calathina

ISMENE CALATHINA (Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming One of the choicest of our summer howering builts, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. It is really one of the most lovely of all the great Amaryllis tribe. Large bulbs, 25c. each (by mail, 30c.); doz., \$2.50 (by mail, \$2.75); \$15.00 per 100.



LILY OF THE VALLEY PIPS COLD STORAGE

MICHELL'S GIANT FLOWERING

The finest procurable; can be forced in about 22 days. Please note that prices vary according to months of delivery.

_		Jan. to Mar. Inclusive	Apr. to June Inclusive	July to Sept. Inclusive	Oct. to Dec. Inclusive
\mathbf{Per}	100	\$ 7.00	\$ 7.25	\$ 7.50	\$ 7.75
Per	250	16.00	16.50	16.75	17.00
Per	500	31.00	31.50	32.00	32.50
Per	1000	60.00	61.00	62.00	63.00
	Not less than	100 C. S. I	Lily of the Va	llev can be si	upplied.

LYCORIS SQUAMIGERA (Amaryllis Hallii)

THE MAGIC LILY OF JAPAN
A perfectly hardy Amaryllis bearing beautiful pink flowers
Produces in early spring attractive green foliage, which grows unti July, when it ripens off and disappears, and anyone not familia with its habits would think the bulb had died, but about a montl later, as if by magic, the flower-stalks spring from the ground to height of two or three feet, developing an umbel of large and beau. tiful lily-shaped flowers three to four inches across and from eigh to twelve in number, of a delicate lilac-pink, shaded with clea blue. Cover the crowns about four inches. For the hardy borde or for planting among shrubbery, this is a most excellent subject and should be more generally grown. Strong-flowering bulbs 50c. each; \$5.00 per doz. (by mail, \$5.50); \$37.50 per 100.

MADEIRA OR MEXICAN VINE

This old favorite, also known as "Climbing Mignonette" i rms of favorite, also known as Chimbing Mighonette very much prized for porches and arbors, on account of its rapid growth and freedom from insects. Thick, glossy leaves and long hanging stems of feathery, fragrant white flowers. If roots are protected during the winter, they are hardy. We offer extra larg selected tubers. Price, 10c. each; doz., \$1.00 (by mail, \$1.15) \$7.50 per 100,



Montbretía

MONTBRETIAS

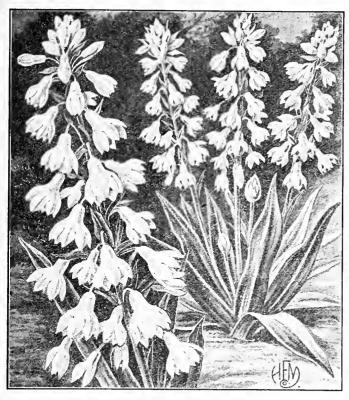
These beautiful late, fall flowering bulbs are very popular for clumping among perennials and shrubbery. Especially effective if planted in masses of from 50 to 100 bulbs in a clump. The flowers resemble a miniature Gladiolus. They should be protected during the winter with leaves or litter. We have succeeded in procuring some new and distinct colorings, as will be seen by the following variation. following varieties.

Aurantiaca. Deep orange. Crocosmiaeflora. Scarlet and vellow

Etoile de Feu. Vermillion with yellow center.

Fire King. Bright scarlet. spotted brown. Price, 12c. each; doz., \$1.25; \$9.00 per 100 (by mail, \$9.25)

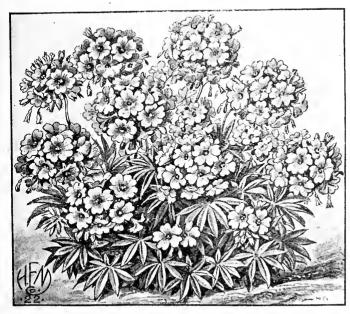
Geo. Davison. Pure yellow. Germania. Brilliant scarlet. Golden West. Golden vellow Lady Hamilton. Large yellow Rayon D'Or. Light yellow



Summer Hyacinth (Hyacinthus Candicans)

SUMMER HYACINTH (Hyacinthus Candicans)

In July and August they produce spikes about two feet long, which are covered with bell-shaped white flowers. Large bulbs, 15c. each (by mail, 20c.); doz., \$1.50 (by mail, \$1.65); \$10.00 per 100.



Oxalis Lasiandra

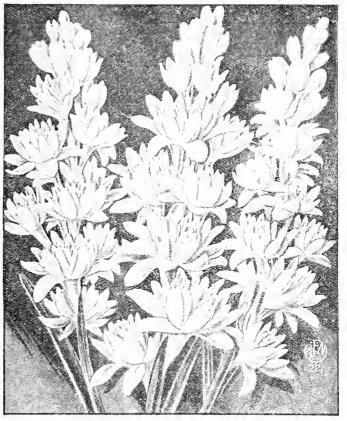
OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds. Deppii. White, small flowers.

Lasiandra. Rosy pink; beautiful cut foliage.

Shamrock. Clover like foliage; pink flowers.

Either of the above 2c. each; doz., 20c. (by mail, 25c.); \$1.25 per 100 (by mail, \$1.35).



TUBEROSES

Summer-flowering bulbs, producing long spikes of very fragrant blossoms. Plant outdoors after all danger of frost is over. Cover the bulb about one inch with fine light soil.

Cover the bulb about one inch with fine light soil.

Double Pearl. Pure white, first size bulbs, 7c. each; doz., 75c. (by mail, 90c.); \$4.50 per 100.

Double Pearl Mammoth. Extra large selected bulbs. 10c. each; doz., \$1.00 (by mail, \$1.20); \$7.00 per 100.

Albino. Single white, blooming in July and August. A very free-flowering variety. The odor is less powerful than in the double varieties. 7c. each; doz., 75c. (by mail, 90c.); \$4.50 per 100.

Mexican. The best single Tuberose, flowering much earlier than all others. Pure white. 7c. each; doz., 75c. (by mail, 90c.); \$4.50 per 100.



ZEPHYRANTHES (Fairy Lily)

Half hardy plants, splendid as pot plants for greenhouse or window-gardens.

Treatea Rosea. The most popular rosy-flowered species. 25c. each; doz., \$2.50 (by mail, \$2.65); \$17.50 per 100.

Treatea Alba. The best white variety. 15c. each; doz., \$1.25 (by mail, \$1.35); \$7.50 per 100.

\$4.50 per 100.

108 MICHELL'S SUMMER FLOWERING AND DECORATIVE PLANTS

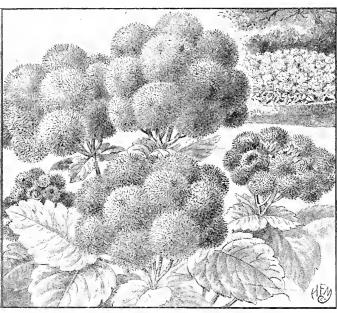
PLEASE NOTE.—It is not always convenient for those who like flowers and plants to grow them from seed and cuttings; their wants under such circumstances can be supplied in the form of stock ready grown. Bedding and summer flowering plants are usually ready early in May which is the proper season for planting out, in the latitude of Philadelphia. They are not hardy and must be planted each season. All plants and bulbs are shipped at purchaser's expense unless otherwise specified. NO PLANTS SHIPPED C. O. D. Summer flowering plants cannot be mailed, as we send out strong specimens, which travel best by express.

Note.—Please read carefully instructions on page 116 before ordering plants.

ACHYRANTHES

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high and very compact.

Brilliantissima. Crimson foliage; very bright. Extra strong plants, 3-inch pots, 30c. each; doz., \$2.50; \$15.00 per 100.



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

Blue Perfection. 3-inch pot-plants, 30c. each; doz., \$2.50; \$15.00 per 100.

ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out designs; of very dwarf growth, 4 inches high.

Aurea Nana. Green and yellow, mottled foliage.

Brilliantissima. Red, with a slight trace of green.

2½-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

ALYSSUM

Little Gem. Pure white flowers; dwarf compact plant; desirable for edging, flowering all season; 6 inches high. 3-inch potplants, 15c. each; doz., \$1.50; \$10.00 per 100.

ASPARAGUS

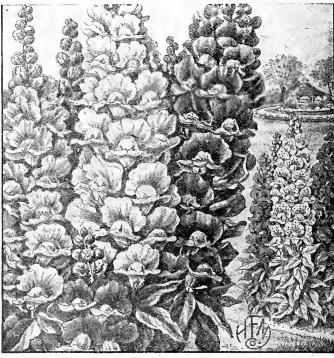
Plumosus Nanus (Asparagus Fern). Highly desirable for fern dishes, bouquet greens, garlands, etc. 3-inch pots, 25c. each; doz., \$2.50; \$17.50 per 100. 4-inch pots, 50c. each; doz., \$5.50.

ASPIDISTRA

Lurida. One of the easiest of all decorative plants to grow and one of the very best house plants. It thrives equally well on the porch in summer and in the house during the winter. It is not subject to attack by insects and will do well where most any other plant will perish. Strong 6-inch pot-plants, \$2.50 each.

ASTERS (Giant Branching)

We grow a large stock in separate colors; Pink, Crimson, White and Blue. Extra strong, 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

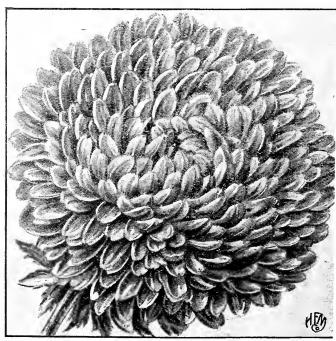


Michell's Giant Antirrhinum (Snapdragon)

ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding or border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue to flower until frost. In separate colors as follows:

Giant White, Pink, Yellow and Scarlet. Extra strong, 3-inch pot-plants, 30c. each; doz., \$3.00; \$22.00 per 100.



Aster. Giant Branching

BEGONIAS (Fibrous Rooted)

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.00 per 100.

Gracilis Luminosa. A splendid edging variety with bronzy red

foliage and brilliant coppery scarlet flowers; very free blooming: of same habit as Vernon. 4-inch pot-plants, 30c, each: doz

\$3.00; \$22.00 per 100.

Vernon. Bright red flowers; compact dwarf plant; one of the best and most effective bedding plants either for edging or massive bedding. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.00 per 100.

BEGONIA BULBS (Tuberous Rooted)
See Page 104

CALENDULA (Pot Marigold) These somewhat resemble a double daisy; are fine for cutting, border planting or as a background.

Orange King. Very deep orange.

3-inch pot-plants, 30c. each; doz., \$2.75; \$22.00 per 100.

CANNA ROOTS AND PLANTS

See page 96 COBOEA SCANDENS

A beautiful blue, cup-shaped flowering annual climber: very desirable for lattice covering, etc. Extra strong plants, 4-in. pots, 35c. each; per doz., \$3.50.

COLEUS

The popular bedding plant so commonly used for edging canna and geranium beds, making an effective show till frost.

Verschaffelti. Dark crimson foliage. Golden Bedder. Rich canary yellow.

Queen Victoria. Red, with yellow edge.

3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

COSMOS

Michell's Giant Flowering Strain, producing enormous, longstemmed flowers late in the autumn. Pink, White, Red, each color separate. 3-inch pot-plants, 15c. each; doz., \$1.50; \$10.00 per 100.

DAHLIA ROOTS AND PLANTS

(See pages 97 to 100.)



Nephrolepis, Teddy, Jr.

FERNS

The varieties we offer here are the best of their class and all are good house plants.

Nephrolepis, Scotti. An old favorite; dwarf and bushy.

"Teddy, Jr. A dwarf form of the Roosevelt fern;

Nephrolepis, Verona. One of the lace ferns, the best of its type, Either of above Ferns 4-inch pots, 75c. each; 6-inch pots, \$2.00.

Note.—Please read carefully instructions on page 116 before ordering plants.

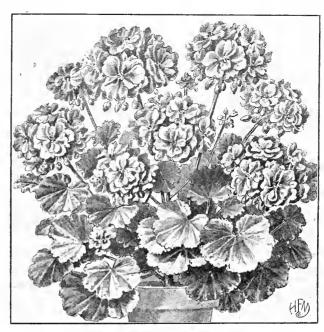
DAISY (Bellis Perennis)

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.

Giant Flowering English, Pink, and White, each separate, 20c. each; doz., \$2.00; \$15.00 per 100.

DRACAENA (Fountain Plant)

ndivisa. Attractive; used as a center piece for a round bed, urn or vase and in cemetery work. Strong, 4-inch pot-plants, 50c. each; 5 inch pot-plants, \$1.00 each; 6-inch pot-plants, \$1.50 each



Geranium, Helen Michell

GERANIUMS

Our stock of these is in 4-inch pots, very bushy, well shaped, carefully grown.

Alphonse Ricard. Bright scarlet; double.

Beaute Poitevine. Salmon pink; very double. Helen Michell. Bright rich scarlet; gigantic flower; to date the

very best of its color.

La Favorite. Double; pure white.

Rose-Scented. The old fashioned sweet scented variety.

S. A. Nutt. Rich crimson; double.

Price of any of the above Geraniums, extra fine stock, 4-inch pots, 35c. each; doz., \$3.50; \$25.00 per 100.

GLADIOLUS (See pages 101 and 102)

HELIOTROPE

This plant bears a mass of flowers all summer; the fragrance cannot be approached by any other annual plant. Centefleur. Large trusses of rich deep violet blue. 4-inch pot-plants, 30c. each; doz., \$3.25; \$22.50 per 100.

HYDRANGEAS (See pages 134 and 136) LANTANA

Excellent bedding plants, thriving best in the full sun; shades of orange and yellow, so effective in bedding. 4-inch pot-plants, 30c. each; doz., \$3.00; \$22.00 per 100.

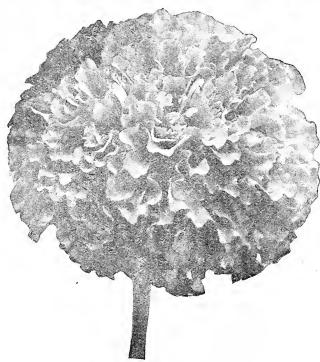
LEMON VERBENA

Pointed green lemon-scented foliage; fine for mixing among cut flowers; as a winter house plant these are also very satisfactory. 3-inch pots. 30c. each; doz., \$3.00; \$20.00 per 100.

LOBELIA

Blue flowering plant, for edging and hanging baskets. Compacta. For bedding, edging, etc. 3-inch pot-plants, 25c. each; doz., \$2.50; \$15.00 per 100.

MICHELL'S SUMMER FLOWERING AND DECORATIVE PLANTS

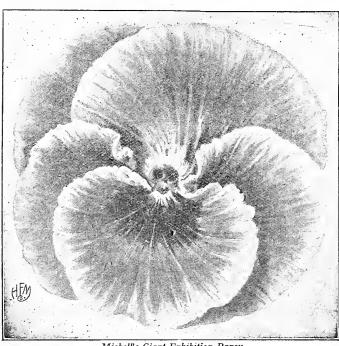


Marigold

MARIGOLD

These are favorites in all old-fashioned gardens; in bloom from early summer until frost. Grown from selected seed; flowers grow to enormous size.

Lemon Queen. Orange King. 20c. each; doz., \$2.00; \$12.00 per 100.



Michell's Giant Exhibition Pansy

PANSIES

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.35 per doz.; 25 for \$2.50; \$10.00 per 100. Stock usually exhausted after May 15th.

Note.—Please read carefully instructions on page 116 before ordering plants.

MOON VINE

Noctiflora. A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 30c. each; doz., \$2.75; \$17.50 per 100.

MYOSOTIS (Forget-Me-Not)

Ready after April 10th. Stock usually exhausted May 15th. Palustris Semperflorens. Dwarf blue. 25c. each; doz., \$2.50; \$15.00 per 100.

PALMS

Areca Lutescens. One of the most graceful and beautiful Palms, having bright green foliage with yellow stems. 6-inch pots, \$2.50 each.

Kentia Belmoreana. The hardiest Palm in cultivation; of slow growth, and less affected by the dust and dry atmosphere of the house than any other. 5-inch pots, \$2.00 each; 6-inch pots, \$3.50 each.

Kentia Forsteriana. This splendid variety is very similar to K. Belmoreana, but of stronger growth, with broader, heavier foliage. 5-inch pots, \$2.00 each; 6-inch pots, \$3.50 each.

PANDANUS

We highly recommend this plant where a good many varieties of other decorative plants will not do. They will thrive even in dark places such as reception halls, living rooms, etc. Veitchi. Highly colored plants. 4-inch pots, \$1.00 each; 6-inch

pots, \$3.00 each.

PASSIFLORA (Passion Flower)

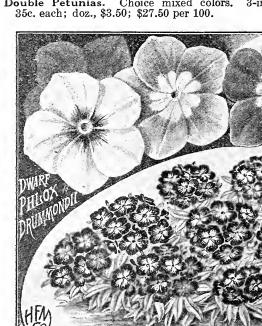
Pfordti. An attractive climber for outdoor planting in summer, bearing a profusion of light blue flowers suffused with pink. Price, 50c. each.

PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

Giant Single Strain. Mixed colors. 3-inch pot-plants, 20c. each; doz., \$2.00; \$12.50 per 100.

Double Petunias. Choice mixed colors. 3-inch pot-plants, 35c. each; doz., \$3.50; \$27.50 per 100.

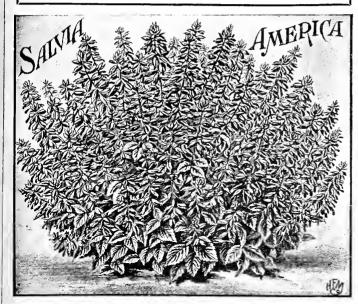


Phlox Drummondí, Dwarf

PHLOX DRUMMONDI

These are a splendid bedding or border plant. Dwarf. Red, white, pink, each separate. 3-inch pot-plants, 25c. each; doz., \$2.75; \$20.00 per 100.

Note.—Please read carefully instructions on page 116 before ordering plants.



SALVIA (Scarlet Sage)
No show of flowers can equal that produced by Scarlet
Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

America. Dwarf, bushy and compact.

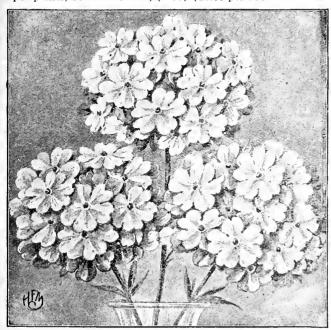
Bonfire. One of the best dwarf bedding varieties.

Strong 4-inch pot-plants, 30c, each; doz., \$3.00: \$22.50 per 100.

STOCKS (Gilliflower) 10 Weeks

Sweet-scented flowers, which are fine for cutting, or as a bed or border plant they are splendid.

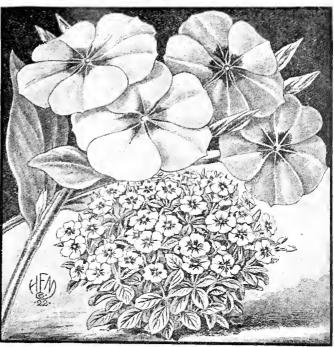
Double pink, white, blue and red. In separate colors. 4-inch pot-plants, 30c. each: doz., \$3.00; \$20.00 per 100.



Michell's Mammoth Fancy Verbena

VERBENAS MICHELL'S MAMMOTH FANCY STRAIN

Used for edging borders, or for window boxes and vases. In separate colors, pink, white, scarlet, purple. 3-inch pots. 25c. each; doz., \$2.50; \$15.00 per 100.

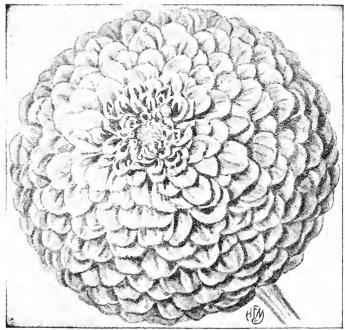


Vinca Rosea

VINCA

osea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. Pink, white, white with pink eye, each color separate. 3-inch potplants, 30c. each; doz., \$3.25; \$25.00 per 100.

Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong pot-plants, 40c. each; doz., \$4.00; \$30.00 per 100.



Zinnia, Giant Robusta

ZINNIAS

Michell's Giant Robusta Strain. Mixed colors. 3-inch potplants, 25c. each; doz., \$2.50; \$15.00 per 100.

The Roses we are offering are all strong 2-year old field grown plants that were dug last Fall and potted into 5-inch and 6-inc pois. They were then stored in cold greenhouses where they will start into growth naturally this Spring and by planting time the will be in prime condition. Roses thrive best in an open sunny position and they should be planted away from all trees and shrubs in that the roots will have the full benefit of the nourishment in the soil. Roses are gross feeders and consequently require a rich soil that the roots will have the full benefit of the nourishment in the soil. Roses are gross feeders and consequently require a rich soil select a well drained position where the soil is good and dig in a liberal amount of well decomposed stable manure thoroughly mixing with the soil. For best results the beds should be made from 4 to 5 feet wide, planting the Hybrid Teas 18 inches apart and the strong growing Hybrid Perpetuals 2 feet apart, planting all about 8 inches or 10 inches from the edge of the beds. The pot grown plants we send out arrive with a ball of earth around the roots, this ball should not be disturbed but should be thoroughly wet when planted send ut arrive with a ball of earth around the roots, this ball should not be disturbed but should be thoroughly wet when planted a thorough watering. Throughout the Summer, the surface of the bed should be frequently cultivated. The Roses we send or require no further pruning, but are ready to be planted when received; instructions for pruning the following seasons will be found under the heading of the different classes. The best method of protecting Roses for the Winter in this locality is to draw up a mound of so around the base of the plant to a height of 8 or 10 inches, thereby protecting the buds at the base of the plants from the alternate freezir and thawing, which is so injurious. In addition to this a covering of strawy manure, evergreen boughs or corn stalks is very beneficial When Roses are growing freely they are less liable to i

NEW HARDY HYBRID TEA ROSE—AMERICAN LEGION

Unquestionably the very best hardy Hybrid Tea Rose that has been added to this class in recent years. The Onquestionably the very best nardy Hybrid Tea Rose that has been added to this class in recent years. The name alone warrants it being extensively planted; because we feel only the very best is deserving of the name.

The variety (originated with Mr. Edw. Towill, of Rosyln, Pa.) is a seedling from "MY MARYLAND" on "ORE ENGLISH" crossed with a seedling from "HADLEY" on "MILADY." Any one who is familiar with roses will instantly recognize all of these as strictly high grade sorts; although "AMERICAN LEGION" is in a class entirely its own. The fragrance is somewhat like "AMERICAN BEAUTY."

This rose has been in great demand as a cut flower from far and near since it was introduced, and it will be the most popular variety in existence when it can be furnished in quantity. The stems are long, stiff, and clothed with heavy dark green foliage; the blooms when fully opened do not show the centre and are large in size, keeping splendidly when left on the plant, or as a cut flower. Price \$1.25 each; doz., \$14.00.

SELECT HYBRID TEA ROSES

Under this heading we offer only the best and well tried varieties for outdoor planting and our customers will make no mistake in selecting any of these for their gardens. For best results Hybrid Tea Roses should be severely pruned, the stronger shoots should be cut back to from 8 to 12 inches in height, while all weak thin wood should be removed entirely.

Betty. A superb Rose with blooms of good size, full and globular, with a delightful fragrance. The color is a coppery rose over-spread with golden yellow. An excellent Autumn blooming variety.

Columbia. One of the most popular of the newer roses, being a vigorous grower and very free flowering. The flowers are of a pleasing shade of rose-pink, large, fragrant and perfect in form.

onstance. Buds long, orange-yellow streaked with red. Flowers golden yellow, full and globular; free bloomer.

Duchess of Wellington. Intense saffron yellow changing to coppery yellow. Flowers large, moderately full, of the Killarney type, beautiful buds and delightfully fragrant. A superb yellow rose and a splendid grower, in fact this variety is considered by many growers to be the best of all yellow roses to date.

Edward Mawley. A splendid rose producing freely rich dark velvety crimson flowers which are very fragrant. The growth is strong and the flowers are of a good size. We consider this one of the best red roses to date.

Etoile de France. Another very good red variety succeeding in all parts of the country under many conditions. Color vivid crimson with darker shadings, very double, of good size and deliciously fragrant.

Francis Scott Key. A glorious rose for the garden. A strong grower, producing large, perfectly formed and fragrant flowers, deep red in color.

Gen. MacArthur. A well known rose, being one of the earliest and most perpetual flowering sorts. The blooms are large, full and delightfully fragrant. In color it is a rich crimson scarlet and the growth is vigorous.

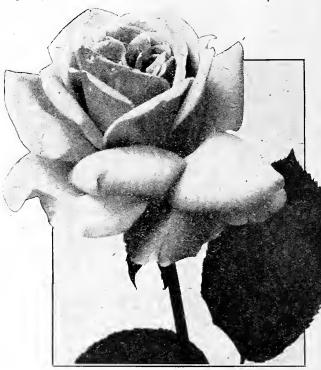
Gruss an Teplitz. This is a rose for everybody, being the most profuse blooming crimson rose in existence. The color is of the richest scarlet, shading to a velvety crimson; very fragrant. It will succeed under the most ordinary conditions, doing well where other roses fail. See color plate opposite page 113.

Hadley. One of the very best garden roses; deep rich velvety crimson in color and one of the most fragrant roses in our collection. Free bloomer with long stiff stems.

Hoosier Beauty. Glowing crimson-scarlet with darker shading buds of good length and splendid shape, opening into a magnicent and delightfully fragrant bloom. A strong, clean grow and very free flowering.

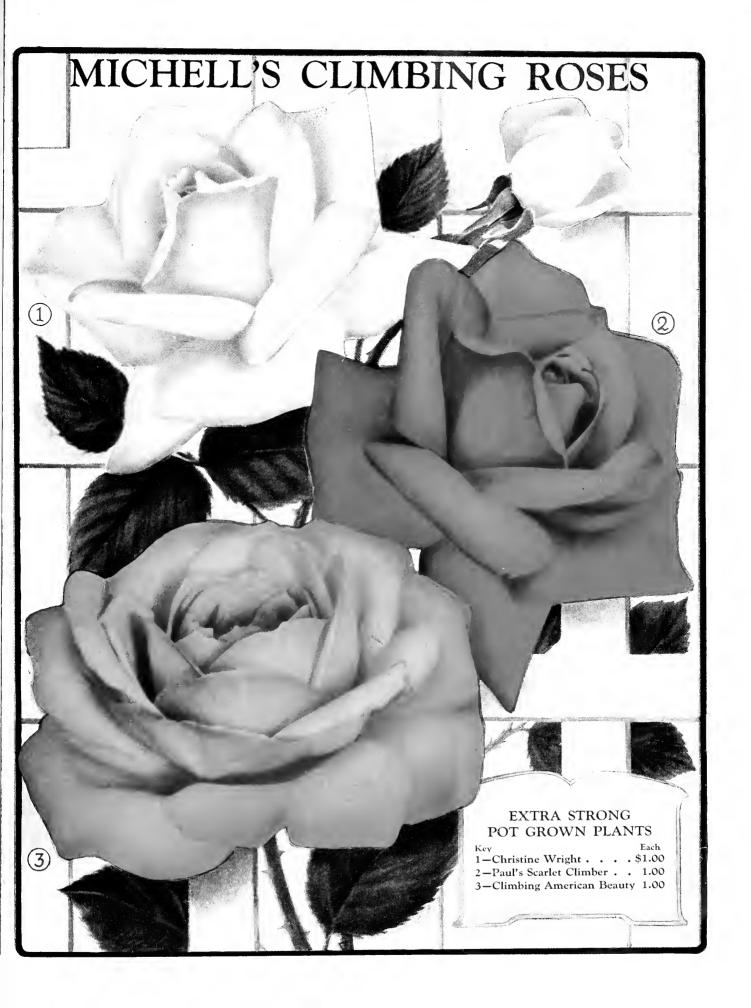
Jonkheer J. L. Mock. A favorite with hundreds of Rose love The flowers are extra large and of more than ordinary beaut The bright cherry red on the outside of the broad petals and t shining silvery white on the inside make a double colored bloo

Kaiserin Augusta Victoria. An old variety but still one of t best and it should be in every collection. In color it is a se pearly white tinted with lemon.



Hybrid Tea Rose, Columbia

Price on any of the above, except where noted, \$1.25 each; doz., \$12.00; \$90.00 per 100. 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. Pot Grown Roses are ready for shipment about May 1





MICHELL'S HARDY POT-GROWN ROSES

SELECT HYBRID TEA ROSES

Killarney. One of the most popular garden roses. The buds are very long and pointed, the blooms are large and of a sparkling brilliant pink, deliciously fragrant. Vigorous grower and a very free bloomer.

Lady Alice Stanley. A rose that is admired by every one, not only for its freedom of bloom and fragrance, but also for its color, which is a beautiful shade of coral-rose on the outside of the petals with purple flesh on the inside.

Ladv Ashtown. Pale carmine-pink, shading to golden yellow at the base of the petals. The blooms are large, globular, and well formed, rather higher in the center than at the edge. Excellent for garden or greenhouse and a profuse bloomer all season

La France. One of the first Hybrid Tea Roses to be introduced and still one of the most popular. In color a bright pink on the outside of the petals and a lovely silvery pink on the inside. The growth is vigorous with delightfully fragrant flowers.

Los Angeles. A wonderful American Rose, introduced in 1917 and described by the originators as follows: "Los Angeles is by all odds one of the finest Roses ever introduced. In color a luminous flame pink toned with coral and shaded with translucent gold at the base of the petals. In fragrance it is equal in intensity to the finest Marechal Neil. The buds are long, pointed and extend into a flower of mammoth proportions. growth is vigorous to a degree. The beauty of the form and ever increasing wealth of color are maintained from the incipient bud until the last petal drops." See color plate opposite.

Lyon Rose. Shrimp-pink or coral, center salmon shaded chromevellow. Perfect form and fragrance delightful.

Melody. The blooms are of good size. The color is an intense, pure deep saffron yellow with primrose edges.

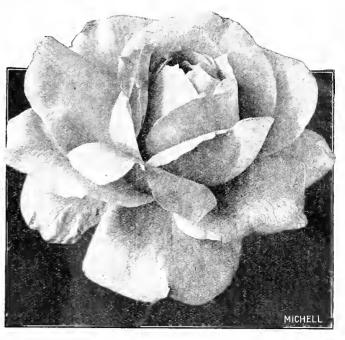
Mme. Butterfly. A sport of Ophelia, retaining all the good qualities of its parent, but with deeper shadings of apricot and gold on the salmon-pink ground.

Mme. Caroline Testout. One of the most popular and valuable bedding varieties; large globular flowers of bright satiny rose with brighter center. Strong vigorous grower; very free flowering and fragrant, particularly fine in Autumn.

Mme. Edouard Herriot. This is the celebrated "Daily Mail" rose which has been so extensively advertised. In color it is coral red, shaded with yellow and bright rosy scarlet, with yellow at the base: a wonderful combination of most pleasing colors.



Lady Alice Stanley



Mme. Caroline Testout

Mme. Leon Pain. Entirely distinct in color, a fine silvery salmon, with deeper orange-yellow shaded center, the reverse of the petals being a salmony-pink; flowers large, full and well formed; very free flowering and a splendid bedding variety.

Miss Cynthia Ford. Flowers are of great substance; color, a deep brilliant rose shading on the back of the petals to a light rosy-pink. The flowers are large, full, of perfect form, very free flowering and fragrant.

Mrs. Aaron Ward. A very free blooming variety of vigorous but compact growth. The flowers, which are of splendid form are full double and are equally attractive when in full bloom as in the bud state. The color is a distinct Indian yellow which under certain conditions becomes yellow tinted white. A favorite everywhere. See color plate opposite.

Mv Marvland. One of our best bedding roses, holding up well throughout the season and being almost continuously in bloom. In color it is a clear bright salmon-pink. The flowers are double, of perfect form and delightfully fragrant.

Ophelia. This is a variety that has made such a record for itself. that it must be classed among the very best, a rose that is admired by everybody. The flowers held erect on long stems are of perfect form, are of a pleasing shade of light salmon flesh shading to pale yellow at the base of the petals. Blooms pro-fusely all summer and far into the Autumn. See color plate opposite.

Radiance. A Rose of American origin and to our mind one of the very best varieties in cultivation today. It is an ideal bedder, producing large flowers throughout the Summer when many other varieties are out of bloom; in color a beautiful even shade of pink. This Rose should be in every garden.

Rose Marie. One of the best bedding roses. A strong grower and exceptionally free flowering. It produces beautiful long buds which open into large flowers of perfect form. A pleasing clear rose-pink in color.

ouvenir de Claudius Pernet. A most vigorous grower of erect branching habit, beautiful, brilliant green foliage, long pointed buds of exquisite shape, carried on long, stiff stems. Souvenir de Claudius Pernet. Very large full flowers with elongated deep petals, a beautifully formed bloom. Color, a most striking sunflower-yellow, deeper in the center without any color blending and which is retained without fading even in the warmest weather. \$2.50 each.

Sunburst. A vigorous grower with erect or slightly spreading habit and dark bronzy foliage. The flowers are of medium size, full and of fine elongated cup form; color a superb cadmium-

yellow passing to yellow-orange in the center.

White Killarney. A pure white sport of Killarney and equally as beautiful; identical in every way with its parent except in color.

Price on any of the above, except where noted, \$1.25 each; \$12.00 per doz.; per 100, \$90.00; 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. Pot grown Roses are ready for shipment about May 1

MICHELL'S HARDY POT-GROWN ROSES

HARDY HYBRID PERPETUAL ROSES

Before the development of the Hybrid Teas, this was the most popular type for garden planting and even now they should not be overlooked, but should be used extensively in conjunction with the other sorts. They are perfectly hardy and of vigorous growth, they bloom tremendously in June and sometimes sparingly in Autumn. Hybrid Perpetuals are taller in growth and need more space than the Hybrid Teas; in pruning cut away all weak growth, and if quality of bloom is desired, cut back the strong canes to within 8 or 9 inches of the ground, but if quantity of bloom for garden effect is desired, leave these canes from 2 to 3 feet high, according to their strength.

American Beauty. Very large flowers, deep pink to carminecerise delicately veined with darker red. A strong grower and

deliciously fragrant.

Frau Karl Druschki. This is the queen of all white roses both in size and purity. The flower is very double and opens to a pure snow white. The growth is vigorous and the plant is a most prolific bloomer during the month of June. Scattering flowers often appear in the Fall, although Hybrid Perpetuals seldom flower again the same season after producing their main crop

Gen. Jacqueminot. The old favorite "Jack" rose is still popular.
The blooms are large, full and globular, having an excellent cup shaped form; in color they are brilliant scarlet crimson, with

deep veining toward the base of the petals.

Magna Charta. An old variety of great merit. The blooms are of a large size, in color a bright pink suffused with carmine. It is very fragrant and free flowering.

Mrs. John Laing. Beautifully formed shell-pink flowers; exceedingly fragrant and borne on strong stems; splendid for cutting.

A good grower and one of the most popular roses.

Paul Neyron. Probably the largest rose in cultivation, in color a clear pink shading to soft rose and having a delightful fragrance. A strong vigorous grower and like Frau Karl Druschki will often produce scattering flowers during the late Summer and

Price, any of the above, \$1.25 each; doz., \$12.00; \$90.00 per 100. 6 roses at the dozen rate, 25 at the 100 rate.

BABY RAMBLER AND POLYANTHA ROSES

A type of rose which is very popular for bedding purposes. They are mostly dwarf in habit, growing about 18 inches high, producing in great profusion from early in the season until severe frost, immense trusces of small flowers. Pruning is not necessary, simply remove the past season's flower stems.

Anchen Muller. A strong vigorous grower with large clusters of medium double, deep rose-pink flowers from June until autumn. Cecile Brunner (The Fairy or Sweetheart Rose). A Polyantha variety with dainty little double flowers of perfect form produced in many flowered graceful sprays; color a soft rosy pink

on a rich creamy white ground.

Clothilde Soupert. A really wonderful rose for bedding; medium size and very double. White shading to deep pink in center and deliciously fragrant. A profuse bloomer and a strong dwarf

Mme. Norbert Lavavasseur (Crimson Baby Rambler). Similar in color to the climbing Crimson Rambler. One of the most

popular.

Mrs. Cutbush. Blooms of medium size, of a pleasing shade of peach-pink, and are produced freely in large clusters until late in the Autumn. The plants are hardy, strong and vigorous.

Orleans. An ideal rose for bedding, flowers of large size and of a brilliant geranium red, becoming suffused with rose as the flowers mature, and with large white centers, 'A very pretty combination.

Price of Baby Ramblers \$1.00 each; doz., \$10.00; \$75.00 per 100.

RUGOSA ROSES

These Roses are absolutely hardy and vigorous growers. They grow from 4 to 6 feet in height and may be used for hedges or as specimens in the shrubbery border.

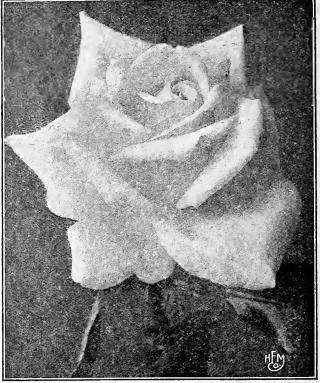
Rugosa. In flower nearly the whole summer, producing single fragrant flowers, rosy carmine in color, followed during the autumn and winter by brilliant scarlet seed pods. Price \$1.00

each; \$10.00 per doz.; per 100, \$75.00.

Rugosa Alba. Identical with the above excepting in the color of the flowers which is pure white. \$1.50 each; doz., \$10.00;

\$75.00 per 100.

Conrad Ferdinand Meyer (Double Rugosa). Pure silvery pink, surpassing all others of the Rugosa family in beauty of color and fullness of form; fragrant and hardy; handsome in foliage and valuable as an ornamental shrub. Price, \$1.00 each; doz., \$10.00; \$75.00 per 100.



Tea Rose, Lady Hillingdon

SELECT TEA ROSES

Tea Roses have always been admired for their delicious fragrance and for their delicacy of coloring. As a class they are not quite as hardy as the Hybrid Teas, but the varieties offered below will winter safely if given ample protection as recommended in our notes on Rose Culture.

Lady Hillingdon. One of the best Tea Roses of its color, deep apricot yellow throughout. It varies from medium to large size and is very beautiful both in bud and in flower. The plant is

hardy, a strong grower and is very floriferous.

Maman Cochet. An extra strong grower, producing its large buds and flowers in the greatest profusion; color deep rose pink, inner side of petals silvery rose, very double; exquisite in bud or when in full bloom.

White Cochet. Identical with Maman Cochet except in color,

which is a pure creamy white with tinting of pink.

Price of Select Tea Roses \$1.25 each; doz., \$12.00; \$90.00 per 100.

MISCELLANEOUS ROSES

Gardenia (Wichuriana). Buds bright yellow opening into creamy white flowers, resembling in form and color a Gardenia. Price, \$1.00 each; doz., \$10.00; \$75.00 per 100.

Hermosa (Bourbon). This is one of the old fashioned roses and still a great favorite. It is a dwarf compact growing variety, producing masses of bright pink flowers during the season. Excellent for cemetery planting. Price, \$1.00 each; doz., \$10.00;

\$75.00 per 100.

Hugonis (Rosa Hugonis). This is a natural species and is most suitable for planting in the shrubbery border. It grows about 6 feet high and the same in diameter when fully matured, every branch being loaded with pretty single yellow flowers early in Spring; perfectly hardy and disease resisting. Price, \$1.25 each; doz., \$12.00; \$90.00 per 100.

Wichuriana. Of Japanese origin and flowering during June and

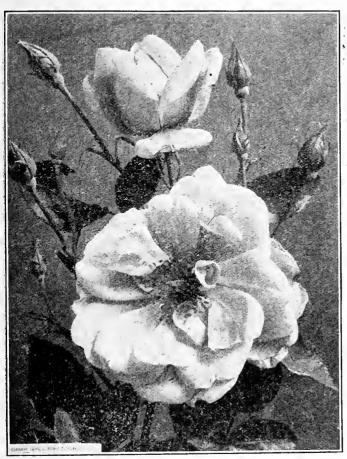
July; of a trailing habit of growth, very hardy and suitable for covering graves, climbing over walls, arbors, stumps of trees, rocks or rough ground. The foliage is of a leathery texture of a beautiful shining green and not only proof against insects but remains on the plant until late in the Winter, making them almost evergreen. The flowers are fragrant, single, pure white with yellow stamens followed in the Fall with bright red hips or berries. Price \$1.00 each; doz., \$10.00; \$75.00 per 100.

6 Roses at the dozen rate; 25 at the 100 rate.

MICHELL'S HARDY POT-GROWN ROSES

HARDY CLIMBING AND RAMBLER ROSES

As an ornamental plant for covering verandas, porches, side walls, pillars, fences, etc., these are unequalled, calling forth more admiration than anything else that can be used. They require no pruning in the Spring beyond the cutting out of very old or dead wood and shortening of the laterals and long canes to make the growth conform to the space to be covered, but a severe pruning in July directly after they have finished flowering is beneficial. Cutting away at that time all old flowering wood will encourage a vigorous growth, which will give an abundance of flowers the following season.



Rose, Mary Wallace

THE "MARY WALLACE" ROSE AT LAST

In the last three issues of the "American Rose Annual" the hoped-for distribution of the Mary Wallace Rose through the agency of the American Rose Society, in co-operation with the Bureau of Plant Industry of the Department of Agriculture, as the first of the new "dooryard" roses produced by the late lamented Dr. Van Fleet, has been mentioned.

The quantity available is limited to the plants growing during 1923, because of the strong desire of the officers of the American Rose Society to end the long delay in sending out this Rose. There will thus begin to be made available Dr. Van Fleet's last superb productions, believed to be of a character to increase the fame to which he, as the world's greatest rosarian, is justly entitled, through the wide use in England and France, as well as in America, of his American Pillar, Silver Moon and Dr. W. Van Fleet climbers, to say nothing of other equally meritorious roses.

NOW WHAT IS THE MARY WALLACE ROSE?

The official description supplied by the Bureau of Plant Industry follows:

'Mary Wallace (W. C. 124) Pillar rose type, makes a fine, strong, self-supporting rose 6 to 8 feet high, with large, glossy foliage, resistant at Bell to all diseases. Blooms with great freedom in spring, and bears a considerable number of fine buds in summer and fall. Flowers well-formed, semi-double, bright, clear rose-pink, with salmon base to the petals. Largest in size of any Wichuriana hybrid, generally exceeding 4 inches in diameter. Hardy; readily propagated. Has been tested at Bell Station, Md.; Portland Ore.; Syracuse, N. Y.; Harrisburg, Pa.; and Hartford, Conn." Price, \$2.00 each; doz., \$24.00.

American Pillar. The large single flowers are a lovely shade of cherry pink, with a clear white eye surrounding numerous golden yellow stamens. The canes are of a strong vigorous growth and flower freely. The foliage is distinct and decorative. Aviateur Bleriot (The New Yellow Rambler). A strong growing

Aviateur Bleriot (The New Yellow Rambler). A strong growing plant with beautiful glossy insect and disease proof foliage, bearing large clusters of medium full sized double flowers of a saffron yellow dispersing to an almost golden yellow in the center.

Christine Wright. A beautiful rose of strong climbing habit, producing double flowers 3 to 4 inches in diameter, singly and in clusters, of a wild rose pink. See color plate opposite page 112.

Climbing American Beauty. The name of this rose is rather misleading, yet on its own merits it is a splendid climber. It has but one blooming season, June, when it bears very abundantly a very bright self colored, medium pink flower of moderate size. It has splendid glossy foliage, each flower opens full and perfectly, comes on a nice long stem for cutting and would be a credit to a bush grown rose. See color plate opposite page 112.

Dr. W. Van Fleet. One of the most important climbing roses, having perfectly formed buds, long and pointed, deep pink in color and very solid. The full blown flowers are very large, borne on long stems, fragrant and fine for cutting.

Dorothy Perkins. Beautiful shell pink, fragrant and full, blooming in clusters in June. The most popular of all climbing roses during the past few years. This is a very good rose for covering stone walls, fences, embankments and arbors.

Excelsa. Here we have a worthy successor to Crimson Rambler. being equally as free flowering as that variety but without its unsatisfactory foliage, this variety being a true Wichuriana rambler with all of the strong wiry growth and beautiful foliage of this desirable class. Really the best double red rambler. Hiawatha. The most brilliant climbing rose, in color a brilliant

Hiawatha. The most brilliant climbing rose, in color a brilliant ruby carmine with a clear white eye and a mass of golden stamens. The foliage is light glossy green.

Pauls Scarlet Climber. No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. The flowers are of medium size, semi-double, very freely produced in clusters of from three to six flowers each on much branched canes, the plants being literally covered with flowers. It is of strong climbing habit and perfectly hardy. See color plate opposite page 112.

Silver Moon. An indispensable hardy climber having long well shaped buds, creamy yellow on first appearance, opening into immense Clematis like flowers of a waxy whiteness. The center is a mass of bright yellow stamens making a wonderful contrast.

Tausendschoen. The individual flowers are of a most elegant and graceful form. In color it is a most delicate shade of soft pink when first opening, changing to carmine on the reverse of the petals when fully expanded. The flowers are produced in trusses, each truss almost a bouquet in itself.

White Dorothy. A handsome pure white sport from the old favorite Dorothy Perkins, and it has all of the finer qualities found in that charming variety.

Price. Strong plants of any of the above, \$1.00 each; doz., \$10.00; \$75.00 per 100.

CLIMBING HYBRID TEA ROSES

These are not quite as free flowering as the bush type of Hybrid Tea Roses, but they produce a large crop of beautiful flowers in June with a quite liberal scattering of flowers throughout the season. In pruning these cut out all small thin wood and cut the strong shoots back to prominent eyes.

Climbing Mme. Caroline Testout. Beautiful glowing pink, identical in flower with its parent namesake; a rampant climber.

Climbing Mme. Caroline Testout. Beautiful glowing pink, identical in flower with its parent namesake; a rampant climber. Climbing Hoosier Beauty. A climbing form of this beautiful Rose. Brilliant crimson scarlet flowers of exquisite form; long bud and very fragrant.

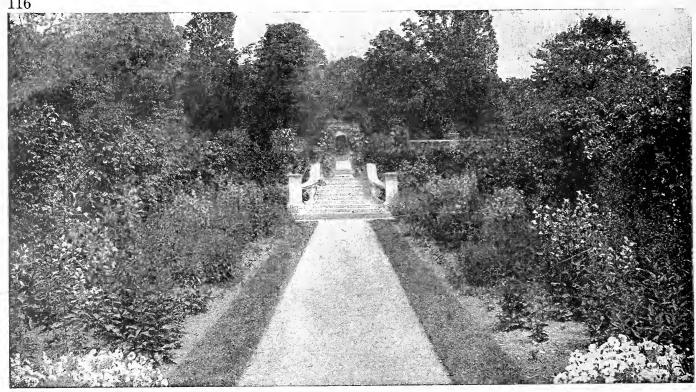
Climbing Kaiserin Augusta Victoria. Ivory white, identical with the parent K. A. Victoria, except its climbing habit.

Climbing Lady Ashtown. The best of all climbing H. T. varie-

ties; a wonderful grower, producing throughout the entire season, numerous soft rose colored flowers, fine for cutting.

Climbing Lady Hillingdon. Identical with the Tea Rose of this name, but of a vigorous climbing habit.

Price of any of the above, \$1.25 each; doz., \$12.00; \$90.00 per 100.



Hardy flowers are gaining favor as there is not a time during the whole flowering season when some variety is not in bloom. Hardy Perennials appear year after year, and as each variety has a fixed time for blooming, a selection can be made that will give flowers to cut from early Spring until late Fall. Our book on "Hardy Perennials" is an instructive publication, and can be had free on request.

IMPORTANT INFORMATION AND SUGGESTIONS TO CUSTOMERS DESIRING TO ORDER PLANTS, NURSERY STOCK, TREES, ETC.

This portion of our business is a separate and distinct department, and is naturally located away from our city establishment. From this our customers will know that it is not always practicable to make one shipment of their orders, which include the class of goods above mentioned. In fact, it is more practicable to make separate shipments, and we usually do this unless to very distant points. Further this class of goods has different seasons in which it may be shipped, so that to endeavor to make one shipment of a customer's ruther this class of goods has different seasons in which it may be shipped, so that to endeavor to make one shipment of a customer's order which may include seeds, bulbs, sundries, plants, shrubbery, etc., would simply mean delay, so that we forward at once what goods are ready and leave the balance follow in its season. All shipments of plants, shrubbery, trees, etc., should be made as far as practicable by EXPRESS, where not in our own automobile delivery territory. We do not assume responsibility for shipments made by any other method. Shipment of such merchandise will be made by Parcel Post wherever practicable, and if the price for postage is not mentioned in the various sections of our catalog, add 10% for P. P. when shipment goes east of the Mississippi River or 20% if west of the Mississippi River, to the quoted prices. This applies to PLANTS and BULBS. Vegetable Plants we do not recommend shipping by Parcel Post, as they are too tender and rarely survive their journey.

A NOTE ON THE QUALITY OF PLANTS:—We endeavor at all times to send out the very best that we can. Some planters have an idea that large field grown clumps are more desirable than small pot-grown plants or field divisions. This is generally not so, the smaller stock giving far better results on every occasion. Attention is also called to the fact that Summer Flowering Plants, such as Asters, Begonias, Cannas, and the like, generally cannot be shipped with Perennials, Shrubbery, etc., as they are usually not ready until the beginning of May; in fact if sent much earlier than that they might perish if planted out, even in the latitude of Philadelphia. We mention these facts, believing that our customers may be interested to know why we sometimes make separate shipments of their orders. We do it in their interests and to facilitate the filling of their orders.

SPECIAL NOTICE ON GUARANTEE.—On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

ACHILLEA (Milfoil or Yarrow)

Eupatorium (Fern-leaved Yarrow). Finely-cut foliage and brilliant yellow heads of flowers, lasting in full beauty all summer; 4 to 5 feet.

Millefolium Cerise Queen (Rosy Milfoil). Finely cut, deep green foliage; flowers cherry red in dense heads; 18 inches high.

Ptarmica Boule de Neige (Ball of Snow). An improvement on The Pearl; the flowers, while not quite so large, are of more perfect form, with fuller centres, which makes it appear purer in color. Price of all Achilleas, 30c. each; doz., \$2.50; \$16.00 per 100.

ACONITUM (Monkshood or Helmet Flower)

Fischeri. A dwarf variety growing 18 inches high, with large, pale blue flowers in September and October.

Sparks' Variety. The darkest blue of all; flowers in June; 3 feet. Price of all Aconitums, 40c. each; doz., \$3.50; \$25.00 per 100.

AGROSTEMMA (Rose Campion)

Stout, erect-growing plants, with silvery foliage, which contrasts well with the showy flowers, produced during June and July. Coronaria (Mullein Pink). Bright rosy crimson; 2½ to 3 feet. Coronaria Alba. A pure white variety.

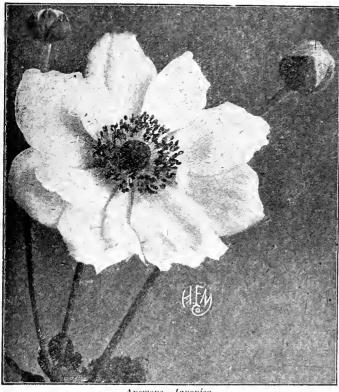
Price of all Agrostemmas, 30c. each; doz., \$2.50; \$15.00 per 100.

ALYSSUM

Saxatile Compactum. An excellent low spreading plant for rockery or border, growing about 10 inches high and producing in May masses of golden yellow flowers. 30c. each; doz., \$2.50; \$16.00 per 100.

ANCHUSA (Sea Bugloss)

Italica. "Dropmore Variety." Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue, Forget-me-not-like flowers in June; very showy and valuable. 40c. each; doz., \$3.50; \$20.00 per 100.



Anemone—Japonica

ANEMONE JAPONICA (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; the flowers appear in August and remain till frost. They require winter protection with leaves, straw or long manure, which amply repays one for the extra trouble taken.

Queen Charlotte. Very large semi-double flowers of La France pink, a color that is rare among hardy plants.

Whirlwind. Large, semi-double pure white flowers, very free. Price. Any of the Anemones, 35c. each; per doz., \$2.50; \$18.00 per 100.

ARMERIA (Sea Pink or Thrift)

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff, wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

Laucheana Rosea. Bright rose.

Laucheana Alba. White.

Gentlemen:

Price, either of the above, 35c. each; per doz., \$2.50; \$16.00 per 100.

West Chester, Pa.

The splendid plants reached me in fine shape. They will be know they have been moved. Mrs. S. J. L. never know they have been moved.



Aquilegia (Columbine)

AQUILEGIA (Columbine)

For spring blooming these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they are very effective

Michell's Long-Spurred Hybrids. This is the most admired type of Columbines. They have been produced from the strains of several famous hybridizers and much superior to the usual grade. The plants are of strong, thrifty growth. The flowers of largest size vary in color through charming tones of cream, pink, lavender, blue, white, red, etc., hardly any two being exactly alike. We offer them in mixed colors only.

Canadensis (Common American Columbine). The native bright

red and yellow variety, and one of the brightest.

Chrysantha (Golden Columbine). Bright vellow, long-spurred flowers.

Coerulea (Rocky Mountain Columbine). Bright blue and white long-spurred flowers.

Rose Queen. A newer variety of a pleasing shade of delicate pink. long-spurred flowers.

Vulgaris (Common European Columbine). Violet blue.
Price of all Aquilegias. 35c. each; doz., \$2.50; \$18.00 per 100.

ARABIS (Rock Cress)

Alpina. One of the most desirable of the very early springflowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom. 35c. each; \$2.50 per doz.; per 100, \$15.00.

ARTEMISIA

A most useful class of plants either for the border or for filling in within the shrubbery. With the exception of the variety Lactiflora, described and illustrated on page 118, they are not remarkable for their flowers; the foliage of the sorts offered is very ornamental. All these varieties offered stand cutting down to 5 or 6 inches when used in carpet or ribbon bedding.

Abrotanum (Old Man, or Southern-wood). Dark green, finely cut

foliage, with pleasant aromatic odor; 2 feet.

Stelleriana (Old Woman). Deeply-cut silvery foliage; much used in carpet bedding; 18 inches.

Lactiflora. See page 118.
Price of Artemisias (except Lactiflora) 30c. each; per doz., \$2.50; \$16.00 per 100.

ASCLEPIAS (Butterfly Weed)

Tuberosa. Very showy native plants, about 2 feet high, producing their flowers of brilliant orange-scarlet during July and August. 30c. each; per doz., \$2.50; \$15.00 per 100.

HARDY ASTERS

Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October, and last well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in the sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn-flowering perennials.

FALL FLOWERING VARIETIES

Autumn Beauty. An exquisite shade of light blue; very large flowers, commencing to bloom in the late summer and continuing almost up to frost time; height, about 4 feet.

Glory of Colwall. A splendid improvement on the variety Beauty of Colwall, with good-sized, nearly double, ageratumblue flowers; remarkably free flowering; $2\frac{1}{2}$ feet, September and October.

Roseum Superbum. This is one of the best hardy Asters we have ever seen. The color is almost red; profuse bloomer.

Novi Belgii Climax. Of strong, vigorous habit, 5 feet high; branched pyramidical-shaped flower stems; lavender-blue flowers. August-October.

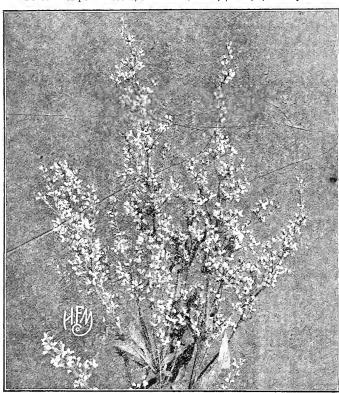
Snowflake. Very free bloomer; pure white; height, 2 feet. St. Egwin. Densely branched, producing beautiful pink flowers; 3 feet; September.

Price, any of the above, 35c. each; doz., \$2.75; \$18.00 per 100.

DWARF ALPINE ASTERS
Alpinus. Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large, showy bluish-purple flowers in May and June.

Alpinus Albus. Identical to the above, but with pure white flowers.

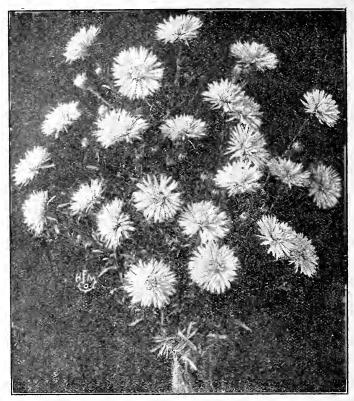
Price of Alpine Asters, 35c. each; doz., \$2.75; \$18.00 per 100.



Artemisia Lactiflora

ARTEMISIA LACTIFLORA

Unlike the other varieties offered, which are grown for their foliage, this comparatively new introduction from China is a most effective flowering plant, with erect stems $3\frac{1}{2}$ to $4\frac{1}{2}$ feet high, clothed with elegantly cut, dark green foliage and terminated by panicles of Hawthorn-scented, creamy white Spiraea-like light and graceful flowers. It is at its best from the latter part of August to the end of September, and is particularly valuable on this account, being unlike any other plant in bloom at that time. 35c. each; per doz., \$2.50; \$18.00 per 100.



Aster-Glory of Colwall

TWO NEW HARDY ASTERS

Maggie Perry. Very large flowers, about 2 inches in diameter. loosely arranged in large trusses of a pleasing shade of mauve. Entirely distinct from any other hardy Aster. 40c. each; per doz., \$3.50.

erry's White. This is without doubt the finest white hardy aster yet introduced; it is a strong grower and during the early Autumn the many branches are literally covered with large flowers, about 2 inches in diameter. The flowers are pure white with golden center and when fully developed the center turns Perry's White. crimson, a striking combination. 40c. each; per doz., \$3.50.

ASTILBE ARENDSI

This new type is the result of crossing A. Davidi with A. Japonica Compacta, Astilboides and Thunbergi. The plants are of very vigorous growth, 2½ to 3½ feet high, producing many branched feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

Ceres. Delicate light rose-colored flowers, with peculiar silvery sheen.

Salmon Queen. Graceful panicles of a beautiful salmon pink. Vesta. Very graceful plumes of light lilac-rose. Price of Astilbes, 60c. each; doz., \$5.00.

BOCCONIA

(Plume Poppy, or Tree Celandine)

ordata. A noble, hardy perennial, beautiful in foliage and flower; admirably adapted for planting in the shrubbery borders, centre of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color during July and August. 35c. each; per doz., \$2.50; \$18.00 per 100.

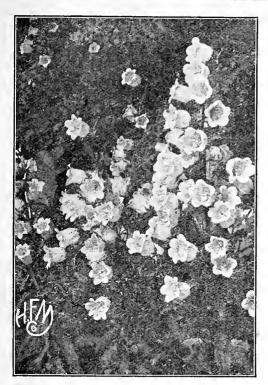
BOLTONIA (False Chamomile)

Among the showiest of our native hardy perennial plants, with large single, Aster-like flowers. The plant is in bloom during the summer and autumn months, and with its thousands of flowers: open at one time, produces a very showy effect.

Asteroides. Pure white; very effective; 5 to 7 feet.

Latisquama. Pink, slightly tinged with lavender, 4 to 6 feet.

35c. each; per doz., \$2.50; \$18.00 per 100.



Campanula-Media

CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade it greatly prolongs the blooming period of the plant.

Calycanthema (Cup and Saucer). These are biennials, and last only one season, when planted in the autumn. Pink, white and blue, each color separate; height, 18 inches; June-July.

Media (Old-fashioned Canterbury Bells). This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, pink and white, in separate colors.

Pyramidalis (Chimney Bell Flower). The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high of porcelain blue flowers in August.

Any of the above, 35c. each; per doz., \$2.50; \$16.00 per 100.

NEW HARDY CARNATION "Miss America"

This is a decided acquisition to the hardy garden, flowering freely from early Summer until very late in the Autumn. In fact it has been seen in full bloom when snow was on the ground. The flowers are bright crimson, and borne on long stiff stems; equal in size to the Winter flowering Carnations grown under glass and are distinctly clove scented.

This new Carnation is worthy of a place in every garden and it also makes an excellent subject for the window garden, as it

flowers freely at all times. Strong young plants from pots 50c. each; doz., \$5.00.

HARDY BORDER CARNATIONS

Choice mixed seedlings produced from seed. We supply strong plants that will furnish an abundance of double flowers this season. 35c. each; per doz., \$2.50; \$16.00 per 100.

Note.—Please read carefully instructions on page 116 before ordering plants.

CARYOPTERIS (Blue Spirea)

Handsome, free flowering perennials, of bushy habit; very valuable for their late blooming season. For bedding or pot

Mastacanthus. Rich violet flowers produced in great profusion the whole length of the branches. 2 to 3 feet. September and October. 35c. each; per doz., \$2.50; \$18.00 per 100.

CENTAUREA (Hardheads or Knapweed)

Of easy culture, delighting in an open, sunny position, producing a wealth of bloom, which not only makes a fine display in the border, but is excellent for cutting.

Montana (Perennial Corn Flower). Grows 2 feet high, bearing large violet blue flowers from July to September.

Montana Alba. Large white variety of the above.

Price of Centaureas, 35c. each; per doz., \$2.50; \$18.00 per 100.

CHRYSANTHEMUM (Shasta Daisy)

Shasta Daisy (Alaska). A decided improvement on the original, with blooms $4\frac{1}{2}$ to 5 inches across, of pure glistening white. Very free-flowering and in bloom all summer and fall. 35c. each; per doz., \$2.50; \$15.00 per 100.

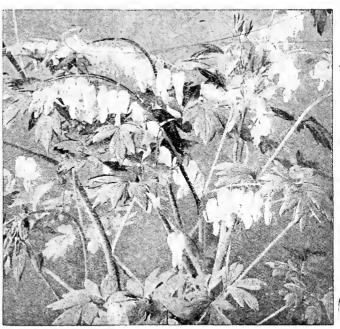
SHRUBBY CLEMATIS

Recta. Grows 2 to 3 feet high and producing fragrant pure white flowers in large clusters during June and July.

avidiana. A most desirable variety with fresh bright green foliage and bell-shaped flowers of deep lavender blue during August and September; very fragrant. Price of Shrubby Clematis, 40c, each: per doz., \$3.50.

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow and of graceful form; fine for cutting. A few plants make a handsome display, either planted individually or in clumps; dozens of flowers are produced on a single plant, and where quantity and quality are wanted Coreopsis should be planted; June till October. 30c. each; per doz., \$2.50; \$15.00 per 100.

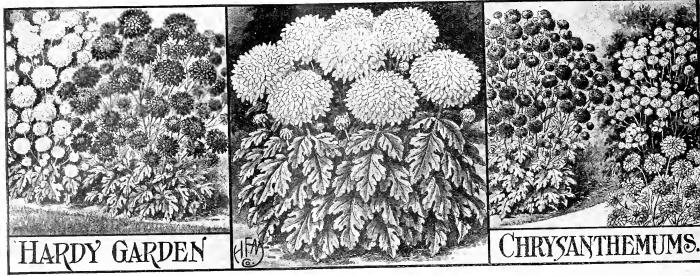


Dielytra Spectabilis

DIELYTRA or DICENTRA

(Bleeding Heart or Seal Flower)

Spectabilis. We are fortunate in again being able to offer this old fashioned favorite, its long sprays of graceful heart shaped flowers are always attractive. A most satisfactory plant for the hardy border, especially when it can be planted in the shade. 50c. each; per doz., \$5.00.



Note. Please read carefully instructions on page 116 before ordering plants.

These showy and effective favorites are now universally popular. When planted outside they extend the flowering season of your perennial garden, blooming profusely in October after other flowers have been browned by early frosts, which do not affect the Chrysanthemums, producing a wealth of bloom especially fine for cutting. They should be planted in a well drained position either in the hardy border or at the edge of a shrubbery border. The planting should be done early in the Spring, so that the plants will have the entire Summer to establish themselves, and late in the Autumn, after they have finished flowering and the tops have been cut off they should have a covering of leaves or loose litter as a Winter protection, but do not cover with manure. Early in the Spring after danger of severe freezing is over and before any growth starts, the covering should be removed.

A. Barham (Large Flowering). A beautiful orange-bronze; early.

Betsy Presby. Quilled petals, orange yellow; pretty and free.

Cranfordia (Large Flowering). In this variety we have an early flowering Chrysanthemum that covers every possible point, perfect in flower, stem and foliage. Each plant will carry from 10 to 12 beautifully finished flowers of a deep bronze yellow; should be in every collection.

Ethel Blades (Large Flowering). Very large flowers of a rich chestnut red, one of the best of the early flowering sorts.

Fee Parisienne (Large Flowering). Large deep rose flowers; early. Glory of Seven Oaks (Large Flowering). Golden yellow; dwarf and very free.

Colden Climax (Pompon). Orange yellow, one of the finest yellows now in cultivation. This variety has been admired more than almost any other in the various Chrysanthemum

Iva (Button). Very small deep bronze.

L'Argentuillius (Large Flowering). Deep chestnut shaded crimson, coming into flower early in October. Very strong grower and free bloomer.

La Garonne (Large Flowering). Rose and buff in color; very attractive.

Lilian Doty (Pompon). The finest pink in the large flowering section of the Pompon family. A strong grower and producing beautiful sprays of clear light pink flowers.

Mrs. Nellie Kleris (Pompon). An improved Lilian Doty, but the color is more evenly diffused over the flower. The flowers are equally as large as Lilian Doty and the plant is a fine sturdy dwarf grower.

Mrs. W. E. Buckingham (Single). Mid season pink; has proved itself one of the best varieties for cutting ever introduced. We cannot recommend this variety too highly.

Nellie Irwin (Pompon). A true Pompon; clear bright yellow in color and having fine clean foliage and stiff stems.

Price of any of the above, 25c. each; per doz., \$2.50; \$12.00 per 100.

Miss Mary Pope (Single). A pale pink with a very large flower; early; one of the best.

A Japanese variety with white flowers, Oconto (Large Flowering). on strong stiff stems; early.

Provence (Large Flowering). Light pink; early.

White Doty (Pompon). A sport of the popular variety Lilian Doty, identical in every way except color, which is a pure milk white. Price, of any of the above, 25c. each; per doz., \$2.50; \$12.00 per 100.

DIGITALIS (Foxglove)

These are showy plants, but are biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is, a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June. Gloxinaeflora. White, Pink, Purple, Lilac. Each separate. 30c. each; doz., \$2.75; \$18.00 per 100.

Digitalis (Foxglove) Gloxinaeflora

DELPHINIUMS OR HARDY LARKSPURS

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth; apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Belladonna. The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower.

Bellamosum. A dark blue form of Belladonna with which it is identical excepting in color, which is a rich deep blue.

Chinense. A very pretty dwarf species, with fine feathery foliage and intense gentian-blue flowers in open panicles.

Album. A pure white form of the above.

Michell's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids offered. The original stock came from England, and consisted of the bestnamed varieties. The plants are of strong, vigorous habit, with large flowers on spikes two feet and over long, the majority running in the lighter shades of blue. We can supply them in mixture only.

Price. Any of the above. 35c. each; \$2.50 per doz.; per 100, \$15.00.

DIANTHUS (Garden Pinks)

These are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

Deltoides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltoides Alba. White flowers.

Latifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William.) A splendid variety with brilliant crimson, double flowers. Flowers continuously during the entire season.

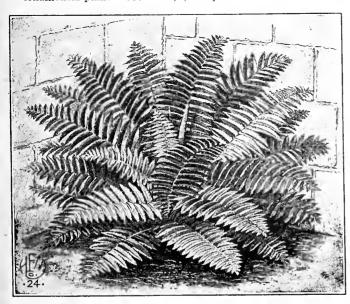
Any of the above, 35c. each; doz., \$2.50; per 100, \$15.00.

ERYNGIUM (Sea Holly)

Handsome ornamental plants, growing from 2 to 3 feet high. Effective in flower and shrubbery border, woodlands, wild gardens, etc.; the flower heads which are produced from July to September, are useful to cut for vases or to dry for winter bouquets.

Amethystinum. The finely-cut, spiny foliage and the beautiful

Amethystinum. The finely-cut, spiny foliage and the beautiful thistle-like heads are of glistening amethystine-blue. A most ornamental plant. 35c. each; \$3.50 per doz.



Hardy Fern



Hardu Delphinium

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May.

ADIANTUM Pedatum (Maidenhair Fern). 12 inch.

ASPIDIUM Acrostichoides. Christmas Fern. 12 inch.

ASPLENIUM Filix-Foemina (Lady Fern). 12-15 inch.

CYSTOPTERIS Bulbifera (Bulblet Bladder Fern). 24 inch.

DICKSONIA Punctilobula (Gossamer Fern). 18 inch.

ONOCLEA Struthiopteris. Ostrich Fern. 24-36 inch.

-Sensibilis. Sensitive Fern. 12 inch.

OSMUNDA—Cinnamonea. Cinnamon Fern. 24 inch. 50c. each; per doz., \$5.00.

-Claytoniana. 24 inch. 50c. each; per doz., \$5.00.

WOODSIA Illvensis. Excellent for rock-work, requiring little soil and thriving best in the sunniest corner. 6 inch.

Price, any of above, except where noted, 40c. each; per doz.,

\$2.50; \$18.00 per 100.

Note. Please read carefully instructions on page 116 before ordering plants.

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EUPATORIUM

Coelestinum. A pretty hardy plant, with light blue flowers similar to the Ageratum. This is a particularly fine thing in hardy perennials; a splendid cut flower. 18 to 24 inches. 35c. each; per doz., \$2.50; \$18.00 per 100.

FUNKIA (Plantain Lily; Day Lily)

Japanese perennials producing attractive clumps of foliage and interesting lily-like blossoms. A continuous row along a walk gives a strong and pleasing character. Delight in moist, shady situations. The variegated foliage of some species is extremely beautiful and striking for decorative work.

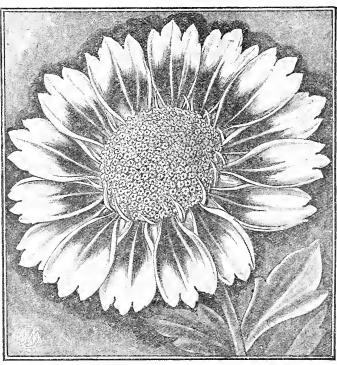
Coerulea. Blue, broad green leaves; June; 4 feet.

Subcordata Grandiflora. Very large, pure white, lily-shaped, fragrant flowers in August and September; 2½ to 3 feet. 40c. each; per doz., \$4.00; \$25.00 per 100.

Undulata Media Picta. Green and white variegated foliage; purple flowers. Makes a fine edging; July; 2 feet.

Price (except where noted). 35c. each; per doz., \$2.75; \$18.00

per 100.



Gaillardía, Grandiflora Superba

GAILLARDIA (Blanket Flower)

Beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 30c. each; per doz., \$2.50; \$15.00 per 100.

GEUM (Avens)

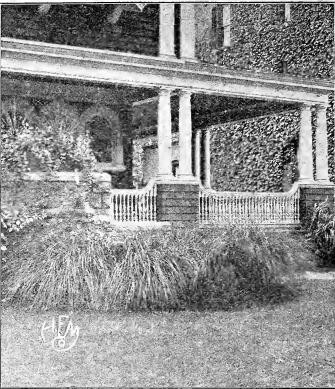
Well-known plants noted for their rich coloring and freedom of flowering. Useful for cutting and the rockery or border. May

Coccineum, Mrs. Bradshaw. Twice the size of the old double scarlet with huge frilled petals, giving a full, double appearance. 6 to 10 inches.

35c. each; per doz., \$2.50; \$18.00 per 100.

GYPSOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep for months without water. Paniculata. Feathery sprays of white flowers; useful for effects in bouquets. 35c. each; doz., \$2.50; \$15.00 per 100.



Pennisetum Japonicum

GRASSES (Hardy Ornamental)

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated Excellent as individual specimens.

Elymus Glaucus (Blue Lime Grass). A graceful growing type with narrow silvery blue foliage; a dwarf compact grower height, 3 feet.

Erianthus Ravennae (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (Japan Rush). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib. Eulalia Japonica Variegata. An attractive variety with a variation of markings of white, green, sometimes light pink and replication of the feet being the feet b

yellow; 4 to 5 feet high.

Eulalia Japonica. Like the variegated variety, except that it is

entirely green.

Eulalia Japonica Zebrina. Dark green foliage, crossmarked horizontally golden yellow. One of the best of hardy Grasses.

Phalaris Arundinacea Variegata (Variegated Ribbon Grass of Gardener's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 12 to 15 inches.

Pennisetum Japonicum (Hardy Fountain Grass). One of the

most valuable hardy Grasses, either for beds, mixed borders or

as individual specimens. Height, 4 feet. Price of Hardy Grasses, 35c. each; doz., \$3.50; \$22.00 per 100

HELIANTHEMUM (Sun Rose)

A very pretty family of evergreen plants, covered during May and June, and more or less throughout the summer, with flower

of the most brilliant colors; valuable for rockeries.

Perry's Variety. Mixed varieties, all colors. June to August height, 12 inches. Price, 35c. each; doz., \$3.50; \$25.00 per 100

HELIANTHUS (Hardy Sunflower)

Very effective in borders, among shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summe until frost, which are splendid for cutting and decorative purposes Maximiliana. The latest of all, blooming profusely in October the fine golden yellow flowers appear in long graceful sprays splendid for cutting; 5 to 7 feet.

Multiflorus FI. Pl. Large, double golden yellow; July-August

Rigidus Japonicus. One of the most desirable varieties, begin ning to bloom early in July and continuing until fall; flower golden-yellow, with dark centres; 5 feet.

Price 35c. each; doz., \$2.50; \$16.00 per 100.

HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil, in a sunny location. The flowers are splendid for cutting.

sunny location. The flowers are splendid for cutting.

Autumnale Rubrum. Bright, terra-cotta red; 5 feet.

Riverton Beauty. Rich lemon-yellow, with large purplish-black cone; August and September; 4 feet.

Price 35c. each; per doz., \$2.50; \$18.00 per 100.

HELIOPSIS (Orange Sunflower)

This genus is very similar to the Helianthus. They are tall-growing plants, well suited for the back of flower borders, where they flower beautifully throughout the summer.

Pitcheriana. One of the best hardy plants for the perennial border. Daisy-shaped flowers of deep orange color, on good

stems for cutting. 2 to 3 feet.

Scabra Excelsa. A new variety with very rich chrome-yellow flowers, turning to a bright yellow as they mature. These are nowers, turning to a bright yellow as they mature. These are almost double, having from 4 to 5 rows of petals, and are produced very profusely. The plant is of robust growth, about 3 feet high. Mid-July to the end of August.

Price, 35c. each; doz., \$2.50; \$18.00 per 100.



Hemerocallis

HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the

Aurantiaca. Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented.

Fulva (Tawny Day Lily). Trumpet shaped flowers; coppery orange shaded crimson; June and July.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. Price, 35c. each; doz., \$2.50; \$15.00 per 100.

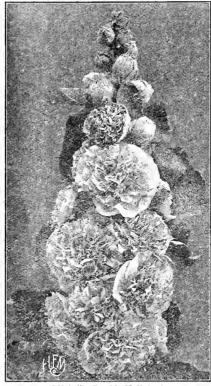
HEUCHERA (Alum Root or Coral Bells)

anguinea. Bright crimson flowers, borne in graceful sprays; excellent for cutting. 35c. each; doz., \$2.75; \$18.00 per 100.

HIBICUS (Mallow)

Giant Flowering. A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful laciniated foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in separate colors. Red, pink, and white or mixed colors. 40c. each; doz., \$3.50; \$25.00 per 100.

Note. Please read carefully on page 116 instructions before ordering plants.



Michell's Double Hollubock

HOLLYHOCKS (Double)

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw. To guard against fungus or rust we recommend spraying the plants in early spring with Pyrox or Bordeaux Mixture.

Our strain of these is very fine, and we offer the following colors

in double flowering only (each separate):
Yellow Crimson, Pink, White. 35c. each; doz., \$2.75; \$18.00 per 100.

HYPERICUM (St. John's Wort)

Moserianum. A most desirable border plant, of free and graceful habit, producing long, slender, much-branched stems, leafy to the base and all drooping towards the ends, apparently from the weight of the flowers and buds, although the flowers face, so none of their beauty is lost. Free-flowering, of large size, measuring from 2 to $2\frac{1}{2}$ inches in diameter; color rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers; blooms continuously. 2 feet. Strong plants, 35c. each; per doz., \$2.50; \$18.00 per 100.

IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

Sempervirens. Pure white flowers; 1 foot. 35c. each; doz., \$2.50; \$18.00 per 100.

LATHYRUS(Everlasting or Perennial Sweet Peas)

The perennial pea is one of the hardiest and most easily cultivated species, thriving almost anywhere. It is a good trellis plant, and is adapted as a cover to wild, rough places.

Latifolius. Large deep red flowers on long stems in constant suc-6 feet. cession.

Pink Beauty. Clusters of large beautiful shell-pink flowers.

Price, either of above, 35c. each; doz., \$3.00.

White Pearl. Most beautiful of all everlasting peas with pure white flowers, which are about double the size of the ordinary Lathyrus Latifolius albus. Price, 50c. each; doz., \$5.00.

IRIS GERMANICA (Fleur de Lis)

No garden or perennial border is complete without a planting of Iris; they thrive most anywhere, being absolutely hardy under most all conditions.

Bridesmaid. White, shaded silvery lilac. 30c. each; doz., \$2.50; \$15.00 per 100.

Innocenza. Pure white; early and very beautiful. 30c. each; doz., \$2.50; \$15.00 per 100.

Queen of May. Light pink; very early. 30c. each; doz., \$2.50; \$15.00 per 100. Mixed German Iris. 20c. each; per doz., \$1.50; \$10.00 per 100.

GERMAN IRIS

rooksiana. Charming flowers of neat form; self-colored delicate rose-lilac, without veining. Beautiful in masses. 30c. each; doz., \$2.50; \$15.00 per 100. Brooksiana.

Caprice. Blooms of fine shape and a delicate texture; in color a

clear cerise. 35c. each; doz., \$3.00; \$20.00 per 100.

Fairy. One of the most beautiful and graceful. Standards incurying, and falls recurving producing a globular form. Standards white with midrib of soft green, delicately veined soft blue at the base; falls creamy-white, delicately veined blue at the base; style arms very conspicuous, bright clear blue. This is one of the indispensables. 30c. each; doz., \$2.50; \$15.00 per 100. **Halfdan**. Creamy white. 30c. each; doz., \$2.50; \$15.00 per

lelga. Lemon-yellow with pearl shading, huge flower. 30c. each; doz., \$2.50; \$15.00 per 100. Helga.

Juniata. A stately plant with gracefully carried, mauve to man-Juniata. A stately plant with gracefully carried, mative to manganese violet blossoms. 30c. each; doz., \$2.50; \$15.00 per 100.

Leonidas. Standards clear mauve; falls rosy mauve. Big, of fine form, handsome. 35c. each; doz., \$3.00; \$20.00 per 100.

Madam Chereau. White, elegantly frilled, with a wide border of clear blue. 30c. each; doz., \$2.50; \$15.00-per 100.

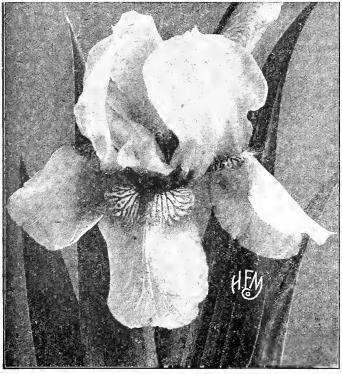
Monsignor. It possesses a distinctive and pleasing shape, rich

coloring and a dark outline to the segments for emphasis. Standards violet; falls heavily veined purple, leaving a border of the violet; late to flower. 35c. each; doz., \$3.00; \$22.50 per 100. Mrs. Allan Gray. A delicate lavender pink that appears pinker

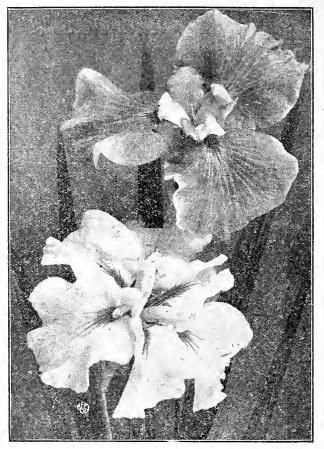
in the shadow; a variety of rather early bloom. 40c. each; doz., \$4.00; \$27.50 per 100.

Nue D'Orage. Bronze. 35c. each; doz., \$3.00; \$22.50 per 100.

Pallida Mandraliscae. Rich lavender-purple; tall, large and handsome; very early. 30c. each; doz., \$2.50; \$15.00 per 100. Perfection. Standards fresh lavender, flecked with deeper shade; falls rich velvety lavender, dark reflections. 35c. each; doz., \$3.00; \$22.50 per 100.



Iris Germanica



Iris Kaempferi

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris and in popularity they can be classed with the Hardy Phlox and Paeonies; coming into flower about the middle of June, they continue for five or six weeks and are particularly welcome at this time. They succeed in almost any soil and like plenty of water when forming their flower buds.

Gold Bound. A fine double pure white, enriched by a creamy glow from the gold banded center.

Koko-No-Iro. Six large, royal purple petals, with a yellow center. Kumo-No-Obi (Band of Cloud). Bright, clear purple with distinct rays and halo of white surrounding the golden throat, the pure white standards tipped purple.

Kumo-No-Uye. Six large frilled petals; deep indigo blue, shaded

purple. Late bloomer.

Mahogany. Purple mahogany red.

Momiji-No-Taki (Maple Waterfall). A choice double variegated variety; bright crimson purple, beautifully feathered in white. Rich violet-purple, shaded with blue. 6 petals.

Giant single white.

Purple & Gold. Enormous double flowers ten inches across, early and free blooming. Color, rich violet-purple with white petaloids, tipped violet; golden throat.

Queen of the Blues. Pale delft blue veined white. Six petals.

Royal Purple. Dark purple, overlaid with dark blue, yellow blatches. Stigmag dark blue, bordered purple. Six petals.

blotches. Stigmas dark blue, bordered purple. Six petals. **Tora-Odori** (Dancing Tiger). Vinous purple, speckled Vinous purple, speckled and

splashed gray. Six petals. Any of the above named sorts of Japanese Iris. 35c. each; doz., \$3.50; \$27.50 per 100.

Mixed Japanese Iris. All colors and shades. 25c. each; doz., \$2.50; \$17.50 per 100.

IRIS INTERREGNA

An entirely distinct type being a cross between a German Iris and Iris Pumila. It is medium early to bloom, flowering in between Iris Pumila and Iris Germanica. Plants grow about 18 inches high and are surmounted with large flower heads. Ceres. Standards and fall pearl white, orange beard.

Walhalla. Standards light blue, violet blue falls, yellow beard. Price of the above, 35c. each; doz., \$2.50; \$18.00 per 100.

Note. Please read carefully instructions on page 116 before ordering plants.

LAVENDULA (Lavender)

Vera. This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant blue flowers in July and August. 35c. each; per doz., \$2.50; \$16.00 per 100.

LIATRIS (Blazing Star, or Gay Feather)

Pycnostachya. Showy and attractive native plants, succeeding anywhere, producing spikes of light rosy-purple flowers in July and August; 5 feet. 35c. each; \$2.50 per doz.; per 100, \$15.00.

LINUM (Flax)

Perenne. A desirable plant for the hardy border or rockery; light graceful foliage and large blue flowers all summer. 35c. each; per doz., \$2.50; \$16.00 per 100.

LOBELIA

Handsome border plants thriving in any good garden soil but preferring a moist loam where they will not suffer from drought. Cardinalis (Cardinal Flower). Rich fiery cardinal flowers. 35c. each: doz., \$2.50; \$15.00 per 100.

LYCHNIS (Campion)

All of the Lychnis are of the easiest culture, thriving in any soil and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants.

Chalcedonica. A most desirable plant; heads of brilliant orange-scarlet flowers in June and July; grows 2 to 3 feet high.

Chalcedonica Alba. A white-flowered form of above.

Viscaria. Forms a dense tuft of evergreen foliage, and in June sends up spikes of handsome, double, deep red flowers; 1 foot.
Price of Lychnis, 35c. each; doz., \$2.50; per 100, \$18.00.
LYSIMACHIA

Clethroides (Loose-strife). A fine hardy variety about 2 feet high, dense, recurved spikes of white flowers from July to September. Nummularia (Creeping Jenny, or Money-wort). Valuable for planting under trees or shrubs where grass will not grow, where it quickly forms a dense carpet.
Price, 35c. each; doz., \$2.50; \$16.00 per 100.



Lupinus Polyphyllus

LUPINUS (Lupins)

These flower in May and June; are 3 to 4 feet high. phyllus. Blue. Very showy. Polyphyllus. Blue. Polyphyllus White. Polyphyllus Pink.

Price, 35c. each; doz., \$3.50; \$25.00 per 100.



Lilu of the Valley

LILY OF THE VALLEY

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long, the latter part of May. Clumps, 60c. each; doz., \$6.00; \$45.00 per 100. Stock cannot be shipped after May 15th.

MATRICARIA (Feverfew)

Little Gem. Pure white, double flowers, splendid for cutting, flowering July and August; height, 12 inches; ideal for open sunny border. 35c. each; doz., \$2.50; \$15.00 per 100.

MERTENSIA (Blue Bells)

Virginica. An early spring flowering plant growing 1 to 1½ feet high with drooping panicles of handsome light blue flowers fading to clear pink; one of the most interesting of our native spring flowers; May and June. 35c. each; doz., \$2.50; \$15.00 per 100.

MONARDA (Bergamot)

Didyma Cambridge Scarlet (Oswego Tea). Crimson scarlet.

-Rosea (Bee Balm). Flowers of a rose color, and sweetly fragrant foliage; 18 inches; July to September.
Price, 35c. each; doz., \$2.50; \$16.00 per 100.

MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer.

Palustris Semperflorens (Perpetual Flowering Forget-me-not). Blue with yellow throat; damp places; spread rapidly. 9 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

OENOTHERA (Evening Primrose)

The evening Primroses are elegant subjects for growing in an exposed sunny position, either in the border or on the rockery, blooming the greater part of the summer.

Missouriensis. Large golden-yellow. 1 foot. 35c. each; per doz., \$2.50; \$15.00 per 100.

PACHYSANDRA

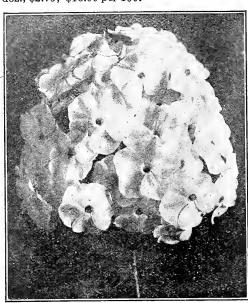
An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 30c. each; doz., \$2.50; \$15.00

PHLOX SUFFRUTICOSA

These differ from the others, in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October.

Miss Lingard. Pure white, with a lilac eye; very early. 35c. each; doz., \$2.75; \$18.00 per 100.



Hardy Phlox, Mrs. Jenkins

MICHELL'S SUPERB HARDY PHLOXES

Bacchante. Tyrian-rose, with a crimson-carmine eye. Baron von Dedem. Deep pink, suffused orange; trusses.

Beacon. Brilliant cherry-red; a new variety and one of the best. Eclaireur. Brilliant rose-magenta, with lighter halo. Elizabeth Campbell. Bright salmon-pink, with lighter shadings and dark red eye. 50c. each; per doz., \$5.00. Eugene Danzanvilliers. Delicate lavender; a very attractive

and decorative color; immense flowers. The peer of its color.

Europa. Blush white, with a large deep pink centre; the flower truss is very large, while the florets are also of gigantic size.

Frau Anton Buchner. Very large pure white flower truss, with

gigantic individual florets; very dwarf.

Jules Sandeau. Dwarf; very large flowering; pure pink; extra fine variety.

Light lavender-pink with white center. L'Esperance.

Montagnard. Dark purple claret; large spikes and flowers.

Mrs. Jenkins. The best pure white.

Rheinlander. Deep salmon pink, with a distinct bright red eye.

Rheinstrom. A splendid new phlox with gigantic flowers of a bright pink. Quite tall; continues in bloom till frost.

Thor. Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye.

Von Lassburg. The queen of all clear white phloxes; trusses and single flowers are immense in size; rather dwarf.
Price of all varieties Hardy Phloxes, except where noted,

extra strong roots which will flower the first season, 35c. each; doz., \$2.50; \$15.00 per 100.

PHYSALIS (Chinese Lantern Plant)

Francheti. An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. 35c. each; per doz., \$2.50; \$15.00 per 100.

6 plants of a variety at the dozen rate; 25 at the 100 rate.

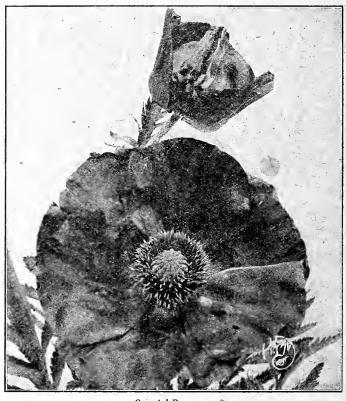
NEW PERPETUAL FLOWERING HARDY PINKS (Dianthus Allwoodi)

This is a most important addition to worth while perennials. They are perfectly hardy and flower continuously from early Spring until late in the Autumn. The flowers are much larger than the old type of Hardy Pinks and are borne on long stems suitable for cutting; deliciously clove scented.

Harold. Large double white, of symmetrical form.

Jean. Pure white with purple center.

Mary. Pale rose-pink with light maroon center. Robert. Delicate shade of old rose with light maroon center. 35c. each; doz., \$3.50; \$20.00 per 100.



Oriental Poppy

ORIENTAL POPPIES (Papaver Orientale)

These are the royal representatives of this popular genus, growing about 3 feet high and far surpassing in magnificence of bloom all the other types. For a display of brilliant coloring nothing equals them during their time of flowering, May and June, whether planted singly or in masses. They are easy of culture, almost any kind of soil suits them, but they do best in a rich deep learn a plant them is the fell of course property before Mey Letter. loam. Plant them in the fall or early spring before May 1st; give them water during dry spells the first season, and mulch with leaves or stable litter in the fall; treated in this way, they will increase in size and consequently freedom of bloom for years to come. After they have finished flowering the plants die back, but appear again in September, or as soon as the weather gets cool; during this resting period care should be taken when cultivating the beds that the roots are not disturbed.

Goliath. One of the most effective; flowers of a rich scarlet; the largest flowered of this class.

Mrs. Perry. A soft shade of salmon rose; a beautiful large flower.
This variety should be in every garden.
Perry's White. Pure sating white with a bold crimson blotch at

the base of each petal.

Price of Poppies, 35c. each; doz., \$3.00; \$18.00 per 100.

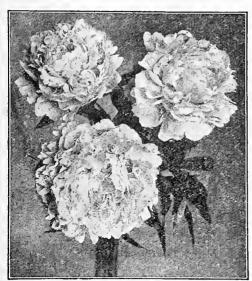
ICELAND POPPIES (Papaver Nudicaule)

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Blooms the entire summer.

Orange, Yellow, White; each color separate. Price, 35c. each; doz., \$2.50; \$18.00 per 100.

MICHELL'S GIANT FLOWERING PAEONIES

No disease or insect ever troubles these plants. They delight in a sunny location and in deep rich soil. After planting, water regularly until you feel they are established and always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.



Festiva Maxima

Czarina. Late; color deep rose pink shading to violet, tinted silver; free bloomer; opens well under all ordinary conditions. 75c. each.

Edulis Superba (Lemon 1824). Crown type; very early; beautiful bright clear mauve-pink with silvery reflex. Decoration day Peony. 60c. each.

Felix Crousse (Crousse 1881). A rich, even brilliant, dazzling ruby red; the most valuable of all general purpose reds and especially fine for cut flowers. \$1.00 each.

Fragans (Sir Joseph Banks 1805). Compact, full flowers. Color, solferino-red with slight silvery reflex; an old favorite. 60c. each

Germaine Bigot (Dessert 1902). Crown type. Very large, compact flower composed of broad petals. Color, lilac-rose center prominently flecked crimson; strong erect grower with medium tall stems; very free bloomer. Midseason. \$1.50 each.

Jeanne D'Arc (Calot 1858). Globular bomb developing a crown. Soft pink guards, creamy white collar, pink central crown, tipped carmine. Fragrant, free bloomer. Moderate strong grower, early midseason; extra good. 60c. each.

Karl Rosenfield (Rosenfield 1908). Semi-rose type; midseason. Very large globular compact flower; rich dark crimson in color; very strong, tall compact grower and free bloomer. A brilliant and striking variety, attracting universal attention. \$2.50 each.

La Tendresse (Crousse 1896). Very full large flowers borne in clusters. Color, milk-white, sometimes splashed with carmine. Tall, strong grower, free bloomer and fragrant. Rose type. \$1.00 each.

PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rockery. They are perfectly hardy.

Barbatus Torreyi. Spikes of brilliant scarlet flowers; height, 3 to 4 ft.; June to August.

Gloxinoides, Sensation. A beautiful strain bearing spikes of large Gloxinia like flowers in a great variety of bright colors, including rose, cherry, crimson, purple, lilac, etc. The plants grow 2 ft. high and bloom from early Summer till frost.

Multiflorus Roseus. A compact growing variety, not over $2\frac{1}{2}$ feet in height; the flowers are produced freely from June to August and are of a pleasing shade of coral-pink. Price, 35c. each; doz., \$3.00; \$18.00 per 100.

Festiva Maxima (Miellez 1851). Rose type; early. The finest white in existence. Pure white with clear carmine spot on edge of center petal. 75c. each.

La Tulipe (Calot 1872). Semi-rose type. Enormous globular

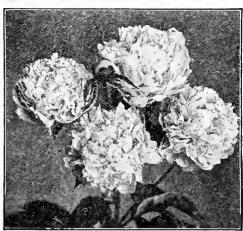
fragrant flowers, shading to ivory white, with red tulip markings on outside of guard petals. Tall vigorous grower and free

ings on outside of guard petals. Tall vigorous grower and free bloomer. Midseason. 75c. each.

Livingstone (Crousse 1879). Very full imbricated bloom. Both buds and flowers are large and beautiful; color pale lilac-rose with sheen of silver; very free, sure bloomer in clusters; upright erect grower; fine cut flower variety; one of the prize winners. \$1.00 each

Mons. Jules Elie (Crousse 1888). This is king of all peonies, and is without question M. Crousse's masterpiece. Color, an ideal Color, an ideal glossy lilac-pink, shading to deeper rose at the base of the entire flower, overlaid with a sheen of silvery rose that fairly dances and shimmers in the sunlight. An unapproachable variety from any standpoint. When cut in the bud a good keeper, thus is fine for cut flowers. Blooms about the same time as Festiva Maxima. \$1.50 each.

Queen Victoria (Eug. Hart 1830). The very best every day white; when cut a first rate keeper; flower of good substance and color; very pretty in bud state, when it has a faint, blush tint; an old standby. 50c. each.



Sarah Bernhardt

Sarah Bernhardt (Lemoine 1906). Semi-rose type; late mid-season. Very large flower of perfect form, full and double with twisted imbricated petals. Color apple-blossom pink with each petal silver tipped. Strong grower, free bloomer and very fragrant. One of the finest and most dependable Peonies ever produced attracting attention in every garden. \$3.50 each.

Solfaterre (Calot 1861). Guard petals snow white, center sulphuryellow changing as the flower ages to pure white; all petals are wide. This we consider an extra fine peony. 60c. each.

PAEONIES IN COLORS

	Each	Doz.	100
Double Pink	\$0.35	\$3.75	\$27.50
Double Red		4.25	32.50
Double White	35	3.75	27.50
Double Mixed. All colors	35	3 50	25.00

PHYSOSTEGIA (False Dragon-Head)

One of the most beautiful of our midsummer flowering perennials, forming dense bushes 4 to 6 feet high, bearing spikes of delicate tubular flowers, not unlike a gigantic heather.

Virginica. Bright but soft pink.

—Alba. Pure white; very fine.
Price, 35c. each; doz., \$2.50; \$16.00 per 100.

PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms. Bright rose with maroon centre.

Essex Witch. Delicate pink, finely fringed.

White Reserve. An everblooming variety, double pure white. Price, 35c. each; doz., \$2.50; \$15.00 per 100.

PHLOX SUBULATA

Alba. (Moss Pink). Moss evergreen-like foliage, tuc ing close to the ground and covered completely with white star-like flowers in May.

Lilacina. A beautiful shade of lilac. Rosea. The same as above but with pure pink flowers. Price of the above 35c. each; doz., \$2.50; \$15.00 per 100.

MISCELLANEOUS VARIETIES OF PHLOX

Amoena. A beautiful plant, with soft rose-colored flowers; one of the best for rockeries or borders; 4 inches high; April-May. Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.

Price of the above Phlox 35c. each; doz., \$2.50; \$15.00 per 100.

PLATYCODON

(Balloon Flower or Japanese Bell Flower)

The Platycodons are closely allied to the Campanulas, and

form neat, branched bushes of upright habit.

Mrs. Ely says of them: "Do best if planted in early spring.

They grow from 2 to 2½ feet high, and after the third season each plant will have from ten to twelve stalks covered with the lovely blue or white blossoms for nearly a month, beginning about July 10th. They are also free from attacks of insects, and if planted in good soil and well covered in late autumn with a litter of leaves or stable manure, will be found to be quite hardy.

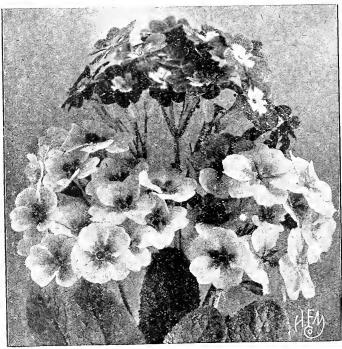
Grandiflorum. Deep blue cupped, star-shaped flowers.

—Album. A white-flowered form of the above.

Price, 35c. each; doz., \$2.50; \$15.00 per 100.

PLUMBAGO (Lead-Wort)

Larpentae. One of the most desirable border and rock plants; it is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during the summer and fall months. 35c. each; doz., \$2.50; \$15.00 per 100.



Primula Veris

PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. They delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting,

it can be highly recommended.

Veris (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for the spring blooming

Vulgaris (English Primrose). Beautiful light canary yellow; long

flower stems with large trusses. Price, 35c. each; doz., \$2.50; \$15.00 per 100.

PYRETHRUM (Giant Daisy)

Uliginosum. Grows 3 to 4 feet high and is covered with large white Daisy-like flowers, 3 inches in diameter, from July to September. 35c. each; \$2.50 per doz.; per 100, \$16.00.

PYRETHRUM HYBRIDUM

A good old-fashioned perennial resembling colored daisies, blooming in June. They will succeed in any good garden soil in a sunny position and do best when left undisturbed for 2 or 3 years, but they should be given an annual top dressing of well rotted manure.

Single Flowering. Mixed colors only, ranging from pure white to dark red. 35c. each; per doz., \$2.50; \$16.00 per 100.

RANUNCULUS (Crowfoot Buttercup)

Acris Fl. Pl. A double flowered form of our common buttercup;

2 feet; May and June. Repens Fl. Pl. (Bachelor's Buttons). A pretty double flowering. bright golden buttercup, bearing masses of flowers during May and June.

Price, 35c. each; doz., \$2.50; \$16.00 per 100.



Rudbeckía, Purpurea

RUDBECKIA (Cone-Flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Golden Glow. A well-known popular plant; a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden-yellow, Cactus Dahlia-like flowers from July to

September. Nitida "Autumn Sun." An attractive single-flowering variety growing 5 to 6 feet high, with long, broad petals of bright primrose-yellow; August to October.

Purpurea (Giant Purple Cone-flower). Flowers about 4 inches across, of a peculiar reddish-purple with a remarkably large cone shaped centre of brown; forms bushy plants 3 feet high and blooms from July to October.
Price, 35c. each; doz., \$2.50; per 100, \$16.00.

SALVIA (Meadow-Sage)

Perennials with strikingly beautiful, orchid-like bloom, tha make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.

Azurea Grandiflora (Rocky Mountain Sage). Sky-blue flower in greatest profusion during August and September; 6 feet.

Pitcheri. Similar to Azurea but of more branching habit and larger flowers of rich Gentian blue; 3 to 4 feet.

Virgata Nemorosa. An interesting plant for the hardy border flower spikes bear many-flowered whorls of dark blue blossoms the unexpanded buds are light violet blue, forming a pleasin color combination. It continues in flower for about six week during the early summer months; 18 inches.

Price, 35c. each; doz. \$2.50; \$18.00 per 100.

SAXIFRAGA (Megasea)

Very useful plants, growing about 12 inches high, having broad, deep green foliage and thriving in any soil in almost any position. The pretty rose-pink flowers which appear very early in the spring, almost as soon as the frost is out of the ground, make this a valuable addition to the hardy garden. Makes an excellent plant for the front of the hardy border, or in the front of shrubbery. 35c. each; per doz., \$2.50; \$18.00 per 100.

SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water; the average

caucasica (Blue Bonnet). A delicate shade of lavender blue, starting in flower in June and lasting well through the summer. Caucasica Alba. White. Like the above, except the color. Price, 35c. each; doz., \$3.00; \$20.00 per 100.



Sedum Spectabile, Brilliani

SEDUM (Stonecrop) **DWARF VARIETIES**

Suitable for the rockery and covering of graves, etc.

Acre (Golden Moss). Much used for covering graves; has green

foliage and bright yellow flowers.

Sieboldi. Round succulent glaucous foliage with bright pink flowers during August and September.

Stahli. A species with compact crimson foliage in the Autumn.

ERECT GROWING VARIETIES

Useful and pretty plants for the border, producing their interesting flowers during the late Summer and Fall.

Spectable "Brilliant." A rich colored form of the above, being

a bright amaranth red.

Prices of any of the above Sedums, 35c. each; doz., \$2.50; \$16.00 per 100.

SENECIO (Groundsel)

Pulcher. Forms a neat tuft of foliage from which springs up from July to October, a succession of 2 feet high stems, with clusters of brilliant, rosy purple flowers, of good size. 35c. each; per doz., \$2.50; \$18.00 per 100.

SOLIDAGO (Golden Rod)

The Golden Rod in a cultivated form is one of the best hardy garden plants. We have discarded all other varieties except that listed below, as from observation we believe this will fill every

want for this plant.

Golden Wings. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers

from July to September.

Price, 35c. each; doz., \$2.50; \$16.00 per 100.

Note.—Please read carefully instructions on page 116 before ordering plants.

SPIRAEA (Goat's Beard, Meadow Sweet)

Elegant border plants with feathery plumes of flowers and neat, attractive foliage; succeed best in a half-shaded location in rich, moist soil.

Filipendula (*Dropwort*). Numerous corymbs of white flowers on stems 15 inches high, during June and July; pretty fern-like foliage

Palmata (Crimson Meadow Sweet). One of the most beautiful hardy plants; the deep purple red of the stems and branches passing into the crimson purple of the broad corymbs of flowers, which are produced very freely during June and July; 3 feet.

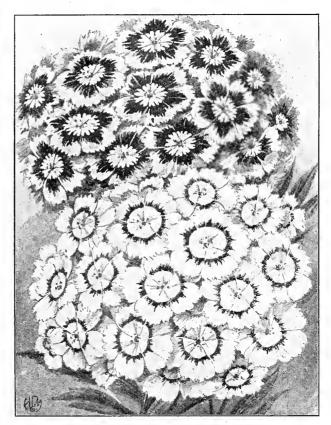
Ulmaria Fl. Pl. (Meadow Sweet). Double white flowers during July and August: 3 feet.

Price, 40c. each: doz., \$4.00; \$25.00 per 100.

STATICE (Sea Lavender)

Very ornamental genus of easy culture, but prefer a rather deep, loose soil. From the delicate nature of the flower panicles. the species are better suited to rockwork and isolated positions. than for mixing in a crowded border. Useful for cut blooms, especially for mixing with other flowers. July-August.

Latifolia (Great Sea Lavender). Handsome plants with heads of dark blue flowers; invaluable for cutting, the flowers when dried, lasting for months. 1 to 2 feet. 35c. each; doz., \$2.75; \$16.00 per 100.



Single Sweet William

SWEET WILLIAM (Dianthus Barbatus)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect, for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams occupy first place.

Michell's Prize Mixture. In all colors.

Pink Beauty (Sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty. Price of Sweet Williams, 30c. each; doz., \$2.50; \$15.00 per 100.

STOKESIA (Cornflower Aster)

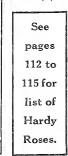
The flower has the appearance of combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

Cyanea. Very light blue. | Cyanea Alba. Pure white. Price of the above. 35c. each; doz., \$2.50; \$15.00 per 100

THALICTRUM (Meadow Rue)

Very graceful, pretty flowered plants, with finely cut foliage; great favorites for planting in the hardy border; the dwarfer varieties also being effective and useful in the rockery.

Adiantifolium. A beautiful variety, with foliage like the Maiden Hair Fern and miniature white flowers in June and July; 1½ to 2 feet. 35c. each; doz., \$2.75; \$18.00 per 100.





Trillium

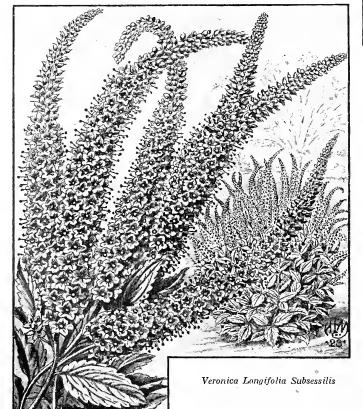
(Wood Lily, or Wake Robin)

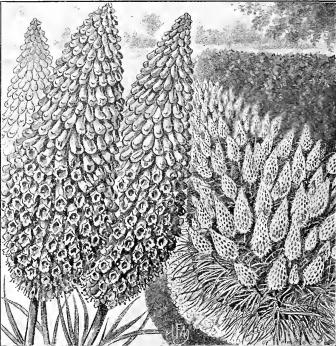
Excellent plants for shady positions in the hardy border, or in a sub-aquatic position, flowering in early spring; 12 to 18 inches. Erectum. Broad foliage with dark purple flowers.

Grandiflorum. The largest white; probably the handsomest. 25c. each; per doz., \$2.00; \$12.00 per 100.

VALERIANA (Valerian)

Officinalis (Hardy Garden Heliotrope). Produces during June and July showy heads of rose-tinted white flowers, with heliotropeodor, 3 to 4 feet. Price, 35c. each; per doz., \$2.50; \$15.00 per 100.





Tritoma, Pfitzerii

TRITOMA

(Red-hot Poker, Flame Flower or Torch Lily)
Pfitzerii (The Everblooming Flame Flower). The early, free and continuous blooming qualities of this variety have made it one of the great bedding plants, and when we consider that there are few flowering plants which are suitable for massing under our severe climatic conditions, it is little wonder that such an elegant

subject should become so popular. Succeeds in any ordinary garden soil, but responds quickly to liberal treatment; hardy if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar. In bloom from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. 35c. each; per doz., \$2.50; \$18.00 per 100.

VERONICA (Speedwell)

A large and much cultivated group of blue-flowered perennials, great favorites in the hardy garden. The taller forms are very pretty border plants, while the more dwarf spreading forms are well adapted to the rockery. Unexcelled for cutting purposes. Amethystina. Amethyst-blue flowers on short spikes; one of the best; 2 feet; May to June.

Longifolia Subsessilis (Japanese Speedwell). This is destined to create as much furore in the flower world as did the Golder Glow. It is the handsomest blue-flowered plant we know of growing to a height of two feet and completely studded with its spikes of blue flowers. Its flowers are fine for cutting. It is perfectly hardy and increases in strength and in beauty each succeeding year. It makes the best blue-flowered hardy border plant obtainable; 2 feet; August to October.

Price of the above, 35c. each; doz., \$2.75; \$18.00 per 100.

VINCA

(Periwinkle or Trailing Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade; right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots it is desired to cover where no grass will grow. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Minor. Green foliage, lavender flowers. Extra strong plants.

30c. each; doz., \$2.00; \$12.00 per 100.

Aurea. Identical in habit and value with the Minor type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes. 35c. each; doz., \$2.50; \$15.00 per 100.



Single Wallflowers



Viola Cornuta

VIOLAS, OR TUFTED PANSIES (Viola Cornuta)

The improved forms of Viola Cornuta are one of the important bedding plants of Europe, and are rapidly growing in favor here. They flower continuously for nearly eight months in the year, and while their flowers are not so large as those of the Pansy, their bright colors and free-flowering qualities make them welcome additions to any garden.

Blue Perfection. Deep purplish-blue. Lutea Splendens. Rich golden yellow. White Perfection. A fine white.

25c. each; per doz., \$1.75; \$12.00 per 100.

WALLFLOWERS

The old fragrant favorite; mixed colors, including yellow, brown, etc. 35c. each; per doz., \$2.50; \$18.00 per 100.

YUCCA (Adam's Needle)

This plant sets off to best advantage if used as individual specimens, either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream-white bell-shaped drooping flowers during July and

August. A majestic plant, especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells. Extra strong plants, 35c. each; doz., \$3.00; \$20.00 per 100.

MICHELL'S COLLECTIONS OF HARDY **PERENNIALS**

We offer customers who are not acquainted with the different sorts the following collections, at greatly reduced prices, all good, strong plants, which once established will, with little care, keep the garden gay with flowers from the time frost leaves the ground until late in the autumn.

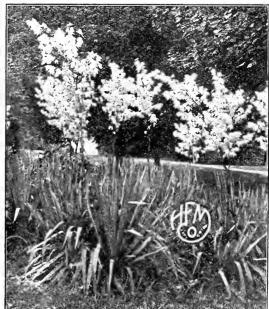
These collections are according to our own selections at prices named.

For Sunny, Shaded or Partially Shady Perennial Border.

Collection No.

12 Hardy Perennials in 12 distinct named species for \$2.50 25 Hardy Perennials in 25 distinct named species for 5.00 50 Hardy Perennials in 50 distinct named species for 100 Hardy Perennials in 100 distinct named species for ...

When ordering give number and collection wanted and state if for sunny or partially shaded position.



Yucca Filamentosa

MICHELL'S CLIMBING PLANTS AND VINES

Vines play an important part in the landscape of the home. There are so many purposes they fill that we cannot recommend too highly their general use.

AKEBIA—Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 50c. each; doz., \$5.00.

AMPELOPSIS—Quinquefolia (Virginia Creeper). handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 50c. each; per doz., \$5.00.

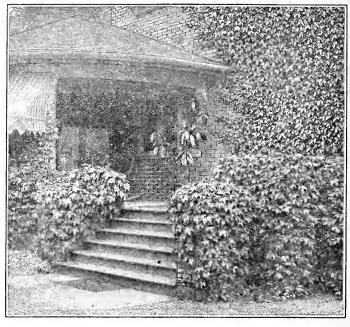
AMPELOPSIS—Veitchii (Boston Ivy). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green which in the autumn turn to a coppery red. Strong plants, 40c. each; per doz., \$4.00; \$27.50 per 100.

ARISTOLOCHIA—Sipho (Dutchman's Pipe). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, \$1.00 each.

BIGNONIA—Radicans (Trumpet Vine). A strong-growing vine, with rich green foliage and trumpet-shaped flowers, free-flowering; dark red, throat shaded orange. Strong plants, 75c. each.

CELASTRUS SCANDENS (Bittersweet or Waxwort)—A vine of rapid growth. In the early summer it produces yellow flowers. which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants, 75c. each.

CLEMATIS. This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure, or leaves around the roots.



Ampelopsis Veitchii

CLEMATIS—Continued

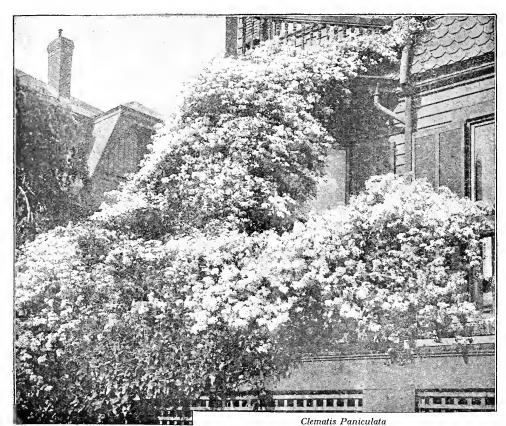
Coccinea. Produces pretty bell shaped coral-red flowers from early in June until late in Fall. 75c. each; doz., \$7.50. Crispa. This variety bears sweet-scented, lavender flowers. 75c. each; doz., \$7.50.

*Henryi. Creamy white; large single flowers, borne in great pro-

fusion. Extra strong pot grown plants, \$1.00 each.

*Jackmanni. Violet-purple; intensely colored, gigantic flower.

Extra strong pot grown plants, \$1.00 each.



*Mme. Baron Veillard. Large flowering; rich, reddish purple. Extra strong pot grown plants, \$1.00 each.

*Mad. Edouard Andre. Velvety red. Flowers are well formed and of great substance; the blooms are gigantic. Extra strong pot grown plants \$1.00 each.

Paniculata (Japanese Virgin's Bower). A strong, luxuriant grower, with light green foliage.. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 30c. each; per doz., \$3.00; \$18.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.

Non-Warranty on Clematis

The large flowering types of Clematis those marked * are injured very easily often when being tied up, by animals and otherwise. We ship these plants in perfect order, after which we must respectfully ask our customers to relieve us of any responsibility in the matter of them growing or thriving.

MICHELL'S CLIMBING PLANTS AND VINES

Note.—Please read carefully instructions on page 116 before ordering plants.

CINNAMON VINE. Free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz., \$1.00; \$7.00 per 100.

COBEA—Scandens (Annual). A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4-in. pots, 35c. each; per doz., \$3.50.

EVONYMOUS—Radicans. Self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired; green foliage. Extra strong plants. 50c. each; doz., \$5.00; \$30.00 per 100.

— Variegata. Leaves are variegated; otherwise like the above variety. 35c. each; doz., \$3.50; \$25.00 per 100.

- Vegeta. This plant is regarded far too little in importance as a strictly A-1 variety for climbing stone walls of buildings or otherwise; it ranks favorably with English Ivy, except that it is evergreen and does not winter kill or shed its foliage. The foliage is larger than that of the type Radicans, and the plant produces an orange-colored berry, which remains on the plant the most part of the winter. Evonymous Vegeta should be planted more extensively than it is. Extra heavy plants. 50c. each; doz., \$5.00; \$30.00 per 100.

HONEYSUCKLE. This favorite requires very little comment or description, always yielding a wealth of fragrant bloom.

- Chinese Evergreen. Yellow and white variegated flowers; very fragrant; blooms the entire season.

— Halliana (Hall's Honeysuckle). Flowers pure white, turning to yellow; hardy evergreen; flowers from June until frost.

 Red Coral or Scarlet Trumpet. Bright red, trumpet-shaped flowers. Blooms all summer. Extra strong plants. 75c. each; doz., \$7,50.

— Variegated (Aurea Reticulata). Foliage beautifully mottled yellow and green; flowers white and yellow.

Price of any of the above Honeysuckles (except where noted), 4-in. pot plants, 35c. each; doz., \$3.50; \$25.00 per 100. 6-in. pot-plants, 75c. each; doz., \$8.00; \$60.00 per 100.

HOP VINE (Japanese). A rapid grower, with dark green foliage, and bearing a profusion of seed-pods, suitable for many domestic purposes. Strong pot-plants, 30c. each; doz., \$2.50.

English Ivy

IVY (English). This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4-in. pot-plants, 40c. each; per doz., \$4.00; \$27.50 per 100. 6-in. pot-plants, \$1.50 each; doz., \$15.00.

KUDZU (Pueraria). This vine grows a foot a day and makes a dense covering; exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. 30c. each; doz., \$3.00; \$22.50 per 100.

LATHYRUS (Hardy Pea). This is a splendid plant for training on pillars, columns and similar places; it flowers during the greater part of the summer, and is a really splendid cut flower, lasting well, and very effective.

Latifolius. Rich red. 35c. each; doz., \$3.00.

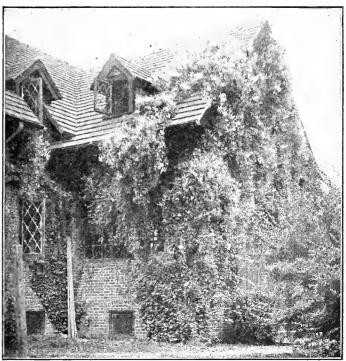
- Pink Beauty. Beautiful rose pink. 35c, each; doz., \$3.00.

— White Pearl. Pure white, giant flower trusses. 50c. each; doz., \$5.00.

LYCIUM (Matrimony Vine)—Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain until late winter. Extra heavy plants. \$1.00 each.

MADEIRA OR MEXICAN VINE. The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 10c. each (single roots, mailed free); per doz., \$1.00; \$7.50 per 100 by express.

MOON VINE—Noctiflora (Annual). A pure white variety, blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 35c. each; doz.. \$3.50.



Polygonum Auberti

POLYGONUM

Auberti. For porches, lattice work, fences, pergolas and buildings. A useful vine which is perfectly hardy and free from disease or pests. It is quick growing, a small plant will make twenty-five to thirty feet of growth the first summer; snowy white flowers, borne in long clusters, which turn rose color with age. The foliage is clean looking and apart from its wonderful flower effect will please everyone. It will not cling to the wall, but will ramble over anything that will support it.

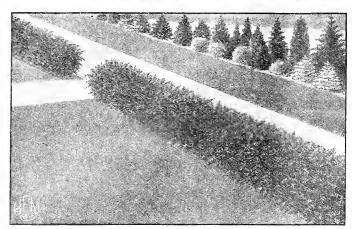
Extra strong pot-grown plants, \$1.25 each.

WISTARIA. This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously.

Chinensis (Chinese Wistaria). Pale blue; somewhat fragrant. Extra strong plants, \$1.00 each.

Chinensis Alba. A beautiful white flowering form of the above. Extra strong plants, \$1.00 each.

MICHELL'S CHOICE THRIFTY HEDGE PLANTS

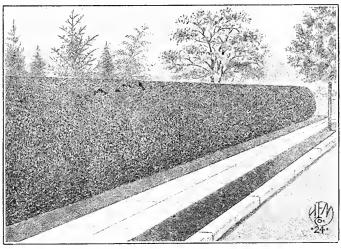


Berberis Thunbergii

BERBERIS THUNBERGII (Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter, it should be regarded as a shrub as it can be planted individually in lawn or border. The slender branches are prickly, with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height	Each		
9-12 inches	\$0.25	\$2.50	\$18.00
12–18 inches			
18–24 inches	50	5.00	35.00



Californía Privet
A privet hedge is much more attractive than the best fence

HYDRANGEA HORTENSIS

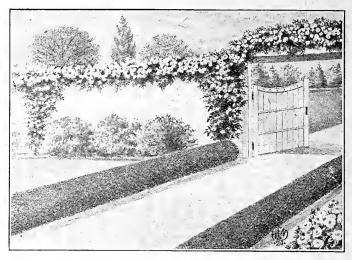
This class of Hydrangeas is planted extensively at many of the Atlantic seashore resorts and while it is perfectly hardy there it is not realiably hardy inland, even in the latitude of Philadelphia, unless planted at the side of a porch or building where it has some protection from the winter sun. Outside of these favored locations we recommend tub culture as the most satisfactory.

They should be left outside as late in the fall as possible, care being taken, however, to avoid sharp frosts which would injure the buds.

They should then be removed to a cool, light cellar where they will have a temperature of about 40 degrees and given only enough water to keep the roots from drying up and the branches from shriveling. The plants should be brought out in the early spring and well watered; provision should be made, however, to protect them from late frosts.

In some soils these will flower blue naturally and in other soils the flowers will be pink.

If you wish to have blue flowers when they naturally come pink this may be attained by incorporating with each bushel of soil one-half pound of lump alum broken into small pieces.



An edging of Boxwood

BOXWOOD, Dwarf, for Edging

We have a quantity of dwarf edging, nice bushy stock, for edging beds and paths. Boxwood grows into value and adds charm to the garden that no other plant can do.

•	Diameter			
6 inches high	4"-5"	\$0.50	\$5.00	\$35.00
8 inches high	4"-5"	.60	6.00	45.00
9 inches high	4''-5''	.75	7.50	60.00

CALIFORNIA PRIVET

Unlike a fence, which needs painting, repainting, etc., and then never looks well, this hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 15th till the ground freezes, and from March 15th to May 15th.

-			
Height	Doz.	100	1000
1-yr. old, 18 to 24 inches	.\$1.25	\$6.00	\$50.00
2-yr. old, 24 to 30 inches	1.50	8.00	70.00
2-vr. old. 30 to 36 inches	. 2.00	10.00	90.00

GOLDEN OR VARIEGATED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful. Bushy Plants, 75c. each; doz., \$7.50.

Otaksa.	This is the	old-fashione	ed favorite	Japanese va	ariety that
usually	flowers pin	k. It prod	uces enorm	ous flower	trusses in
great n	umbers. The	e plant incr	eases in size	and flower	ing ability
each we	ear and is the	ideal varie	ty for plant	ing extensi	valu at the

FRENCH VARIETIES

Baby Bimbenet. Large compact trusses of silvery-rose flowers. General de Vibraye. Enormous flowers of a bright rose color. Mme. Emile Moulliere. Pure white, with rich carmine eye. Radiant. Brilliant rose pink; bright and showy.

Trophee. Brilliant carmine; very free flowering. One of the most desirable.

Each D	Poz. Eac	ch Doz.
$2\frac{1}{2}$ -in. Pots \$0.25 \$2	2.50 6-in. Pots \$1.6	00 \$10.00
4 -in. Pots		·

MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS

These play an important part in the arrangement of the home grounds and should be planted extensively; they are ornamental even when not in flower. The varieties which bloom should be cut back after flowering to form new wood that will bloom the following year; we shall be glad to suggest assortments that will be attractive from spring until snow time.

ALTHEA (Rose of Sharon). These thrive almost anywhere, producing their bloom from July till September.

—Alba Plena. Pure white; double.
—Atropurpurea Plena. Double purple.
—Duchess de Brabant. Double; deep red.

-Lady Stanley. Semi-double; pale pink, splashed with carmine.
-Totus Albus. Single; pure white.
Plants, 2 to 3 feet high, 75c. each; doz., \$7.50.

AMYGDALUS-Alba Flore Pleno (Flowering Almond). Erect. slender branches, which are covered in May with small, very double, fragrant white flowers. Strong plants, 2 to 3 feet, \$1.00

-Rosea Flore Pleno. Identical with the above, but bearing pink flowers. Strong plants 2 to 3 feet, \$1.00 each.

BERBERIS—Thunbergii (Japanese Barberry). A good, hardy plant for lawn or border. The slender branches are prickly with small thorns and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height Each Doz. 9–12 inches \$18.00 \$0.25 \$2.50 12-18 inches . .35 3.50 22.50

BRIDAL WREATH. See Spirea Prunifolia.

BUTTERFLY BUSH. See Buddleia.



BUDDLEIA-Variabilis Magnifica. (Butterfly Bush). This is perhaps the most popular of our garden and hardy border shrubs. It flowers almost uninterruptedly from late in May until almost frost. The long panicles contain hundreds of miniature florets, of a beautiful lilac shade. There is considerable fragrance to them and they attract butterflies in great numbers, from which fact the shrub has earned its name. The bush grows about 4 ft. high and contains hundreds of flower heads or spikes. After frost the bush should be cut back to the ground to insure new rigorous growth the following year. 'Strong pot plants, 30c. each; doz., \$3.00; \$20.00 per 100. Extra strong pot plants, 50c. each; doz., \$5.00; 1 year old field grown plants, \$1.50 each. SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply decorative shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee decorative shrubs to live we will assume such guarantee at an advance of 25 per cent, over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

CALLICARPA PURPUREA (Beauty Fruit). A beautiful shrub growing about 3 feet high, with graceful branches that are covered in August with tiny pink tinted flowers. These are followed in late September by violet purple berries born in clusters from the axil of every leaf; these remain on the plant until the middle of the Winter. 85c. each; doz., \$7.50.

CALYCANTHUS-Floridus (Sweet Shrub). Chocolate-colored double flowers, with a peculiar agreeable odor. Blooms in June. 3 to 4 feet, 85c. each; doz., \$7.50.

CERCIS-Canadensis (Judas Tree or Red Bud). A tall, slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. 4 to 6 feet plants, \$1.25 each.

CHIONANTHUS—Virginica (White Fringe). In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to $2\frac{1}{2}$ feet, 85c. each; doz., \$7.50.

CLETHRA-Alnifolia (Sweet Pepper Bush). Of low and dense growth: has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. One of the prettiest of our native shrubs. 2 to 3 feet, 85c. each: doz., \$7.50.

CORNUS (Dogwood). This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In autumn it takes on a rich crimson shade.

-Florida (White Flowered Dogwood). Strong plants; 4 to 5 ft., \$1.75 each; dozen, \$15.00.

-Rubra (Pink Flowered Dogwood). 3 to 4 ft., \$2.50 each.

-Elegantissima (Variegated Dogwood). A beautifully variegated shrub which should be planted more freely. Strong plants, 3 to 4 feet high, \$1.75 each; doz., \$15.00.

-Lutea (Golden-Twigged Dogwood). Bright yellow branches in Winter. Strong plants, 3 to 4 feet high, \$1.50 each; doz., \$15.00.

-Sibirica (Siberian Dogwood). Branches a bright, coral red which are quite ornamental for Winter effects. Strong plants, 3 to 4 feet high, 85c. each; doz., \$7.50.

CYTISUS—Laburnum (Golden Chain). A large shrub with shining green leaves and long drooping racemes of yellow flowers, which appear in the early summer. \$2.00 each.

DEUTZIA. The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive.

-Candidissima Fl. Pl. Abundant racemes of double, pure white flowers in June; luxuriant foliage, and fine habit. 3 ft. plants.

-Crenata Rosea Fl. Pl. Double flowering; white tinged pink. 3ft.

-Gracilis. Of dwarf, bushy habit; white flowers. 18 inches. Price of any of the above, 75c. each; doz., \$7.50.

-Pride of Rochester. The flowers, borne in large panicles, are pinkish white, with under-side of the petals rose. June. 85c. each; doz., \$7.50.

Dogwood. See Cornus.

EVONYMUS ALATA (Cork-barked Evonymus). Small delicate flowers in late Spring are followed by attractive red berries in the Fall. Curious corky bark, brilliant Autumnal foliage. Best for individual planting. 18 to 24 inches, \$1.00 each; doz., \$9.00.

Japonica. Beautiful deep green foliage; a splendid evergreen. 12 to 15 inch plants, \$1.00 each; doz., \$10.00.

- Argentea Variegata. A variety of the former, the leaves being beautifully variegated with silvery white. 5-inch pot grown plants, \$1.00 each.

Aurea Variegata. Similar to the above with golden variegated foliage. 5-inch pot grown plants, \$1.00 each.

Shipping Seasons are usually from March 15th to May 1st and from October 15th to November 15th.

EXOCHORDA GRANDIFLORA (Pearl Bush). A medium sized shrub, producing white flowers in graceful clusters, early in the Spring; very graceful and fine for cut flowers. Strong plants 18 to 24 inches, 85c. each; per doz., \$7.50.

FLOWERING ALMOND. See Amygdalus.

FLOWERING CRAB. See Malus.

FORSYTHIA (Golden Bells). Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare.

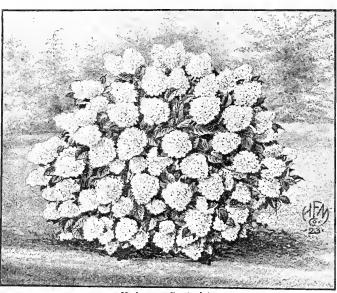
- Fortunei. Erect growing with dark green foliage; strong plants, 4 ft., 85c. each; doz., \$7.50.
- Intermedia. April. Vigorous grower with slender, erect or arching branches. Considered by many as the best of the family. 85c. each; doz., \$7.50.

- Suspensa. Graceful, drooping tendency. Frequently planted on banks and slopes. Beautiful as specimens or in masses.

85c. each; doz., \$7.50.

- Viridissima. Erect shoots, spreading branches and excellent foliage that assumes a rich Autumnal tint and persists until early Winter. 85c. each; doz., \$7.50.

GOLDEN BELLS. See Forsythia. GOLDEN CHAIN. See Cytisus. HONEYSUCKLE. See Lonicera.



Hudrangea Paniculata

HYDRANGEA—Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size, coming into flower early in June and lasting until late in August. Is more hardy than any other sort and especially suited for shaded places. 2 to 2½ ft., 85c. each; doz., \$7.50.

- Paniculata Grandiflora. The large panicles of white flowers

are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form, 2 ft. plants, 85c. each; per doz., \$7.50. Extra strong stock, 3 ft., \$1.50 each; per doz., \$15.00.

- Paniculata Grandiflora (Standard or Tree Shaped). These are fine, planted as individual specimens in the lawn or in the centre of beds, containing other plants. Stems 2 to $2\frac{1}{2}$ feet long, with

shapely heads, \$1.50 each.

- Quercifolia (Oak-leaved Hydrangea). A handsome spreading shrub with striking foliage, turning in Autumn to a beautiful red. The flowers are produced freely in August, in flat white clusters. Strong plants 18 to 24 inches, \$1.50 each.

JAPAN QUINCE. See Pyrus.

JASMINUM-Nudiflorum. A fine shrub for sheltered positions, bearing fragrant yellow flowers very early in Spring. Hardy south of Philadelphia. 85c. each; doz., \$7.50.

Officinale (Common White Jessamine). Vigorous grower with a profusion of white flowers; deliciously fragrant. 85c. each;

doz., \$7.50.

JUDAS TREE. See Cercis.

LILAC. See Syringa.

LONICERA—Fragrantissima (Honeysuckle). March and April. Delightfully fragrant white flowers that come with the first breath of Spring. 85c. each; doz., \$7.50.

-Morrowi. An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May.

During the late summer and early autumn the plant is covered with bright red berries. Plants, 3 feet, 85c. each; doz., \$7.50.

— Ruprechtiana. A free flowering variety; white flowers during May and June, followed by red fruit. 85c. each; doz., \$7.50.

MALUS (Crab)—Bechtel's Double Flowering. Grows medium height, producing large double flowers of wonderful fragrance. 2 to 3 ft. high. \$2.50 cach. 2 to 4 ft. ligh. \$2.50 cach.

grance. 2 to 3 ft. high, \$2.50 each; 3 to 4 ft. high, \$3.50 each.

MOCK ORANGE. See Philadelphus.

PHILADELPHUS—Coronarius (Mock Orange). Handsome foliage and beautiful, fragrant white flowers in May and June. 2 ft. plants, 85c. each; doz., \$7.50.

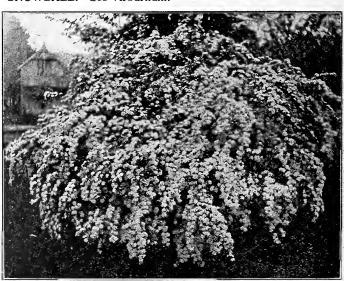
Grandiflorus. A robust growing variety, bearing large white

flowers. 3 ft. to 4 ft., 85c. each; doz., \$7.50.

PYRUS—Japonica (Japan Quince). This shrub is a beautiful sight when covered in the early spring with cherry-red flowers, about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince jelly or preserves. Extra strong plants, 2 ft., 85c. each; doz., \$7.50. RED BUD. See Cercis.

RHUS—Typhina Laciniata (Dwarf Cut-leaved Sumac). growth and fern-like foliage make this variety distinctive. Foliage is colored in the fall months. 85c. each; doz., \$7.50.

ROSE OF SHARON. See Althea. SNOWBALL. See Virburnum.



Spirea, Van Houttei

SPIREA—Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 inches, 85c. each; doz., \$7.50.

- Prunifolia (Bridal Wreath). The pretty double white flowers

are all along the almost leafless stem about May 1st, just as the leaves are budding. 3 feet, 85c. each; per doz., \$7.50.

-Thunbergi. One of the prettiest of the dwarf shrubs, with

fine delicate foliage and a profusion of small white flowers in the early Spring. 12 to 18 inches, 85c. each; per doz., \$7.50. Van Houttei. The most beautiful of all white Spireas, flower-

ing in May, when it is a complete fountain of white bloom. 3 to 4 feet, 85c. each; per doz., \$7.50. SUMAC. See Rhus.

SWEET PEPPER BUSH. See Clethra.

SWEET SHRUB. See Calycanthus.

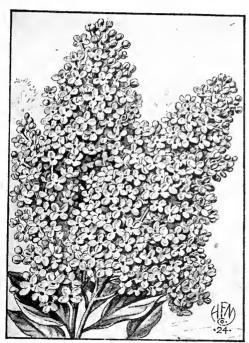
SYMPHORICARPUS—Racemosus (Snowberry). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. Strong plants, 85c. each; doz.,

-Vulgaris (Red fruited or Indian Currant). This is a well known shrub, bearing pink flowers followed by bright red fruit. 85c. each; doz., \$7.50.

TAMARIX—Africana. Strong, slender, upright growth, with penilogs of fortherw pink flowers in May. 2 to 4 fort \$50.000 h.

panicles of feathery pink flowers in May. 3 to 4 feet, 85c. each; doz., \$7.50.

- Hispida Aestivalis. A distinct variety, bearing delicate sprays of soft pink flowers in July and August, very light and feathery. 2 ft. to 3 ft., 85c. each; doz., \$7.50.



Lilac (Syringa)

SYRINGA (Lilac)—Charles X. A strong growing variety, bearing large trusses of reddish purple flowers. \$1.00 each.

-Japonica. A very desirable free flowering tree, bearing during June and July fragrant white flowers in large panicles. each: doz., \$7.50.

-Marie Legraye. A dwarf growing variety, producing immense trusses of beautiful creamy white flowers; one of the most popular single white sorts. \$1.00 each.

Common purple, sweet-scented lilac. 85c. each: Vulgaris. doz., \$7.50.

-Vulgaris Alba. Pure white type of the above, but more fragrant. 85c. each; doz., \$7.50.

VIBURNUM OPULUS (High Bush Cranberry). One of the most popular shrubs, bearing clusters of white flowers in June, followed by bright scarlet berries in Autumn, which are very attractive throughout the Winter. Strong plants, 2 ft. to 3 ft.,

85c. each; doz., \$7.50.

Opulus Sterilis (Snowball or Guelder Rose). This is the popular white Snowball, filled with large globes of white flowers in May.

Strong plants, 2 ft. to 3 ft., 85c. each; doz., \$7.50.

-Plicatum (Japanese Snowball). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy; blooms in June. Extra fine plants, 2 to 3 feet, \$1.00 each; doz., \$10.00.

Tomentosum. Distinct from all other varieties of Snowball. both in foliage and flower; the latter are more flat than those of the other varieties and followed by decorative red fruits, changing to black as they ripen. Strong plants, 2 to 3 feet, 85c. each.

VITEX AGNUS CASTUS (Chaste Tree). A shrub or small tree, with strong aromatic odor; dense spikes of pale lilac flowers from July to September. Strong plants, 2 to 3 feet, 85c. each.

WEIGELIA—Candida. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. tube-shaped flowers are pure white; fine for cutting. Plants, 4 feet, 85c. each; doz., \$7.50.

-Eva Rathke. Of erect form and vigorous habit. The deep car-

mine-red flowers are the best of the red-flowering sorts; 2 to 3

freet, 85c. each; doz., \$7.50.

-Rosea. Remarkably showy flower; numerous spreading branches and dark green leaves. The rose-colored blooms are produced in great abundance. 85c. each; doz., \$7.50.

-Rosea nana variegata. Silvery variegated leaves and pale pink flowers. 85c. each; doz., \$7.50.

WHITE FRINGE. See Chionanthus.

Shipping seasons are usually from March 15th to May 1st, and from October 15th to November 15th.

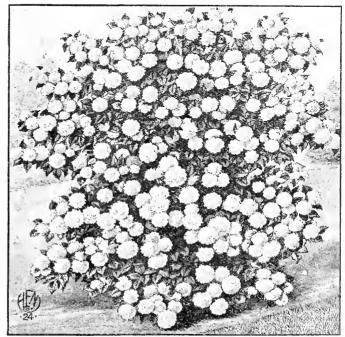
HOW TO CARE FOR SHRUBS

The ground should be well prepared before planting, by applying a quantity of fertilizer, such as Bone Meal or Sheep Manure and thoroughly digging this in. shrubs should be planted to the depth they were when in the nursery (this is easily discerned by a ring of discoloration around the stem at the base of the plant). Firm the soil well around the roots and water thoroughly.

Shrubsshould be pruned after they have fin-ished flowering. For instance such varieties as Cornus. Deutzias, Spiraeas and Forsythia that bloom early in the Spring,



should be pruned immediately after they have finished flowering. Other varieties that flower late in the Summer, such as Hydrangeas, should be pruned early in the Spring before the sap starts to flow.



Snowball (Viburnum)

MICHELL'S ORNAMENTAL EVERGREENS

Evergreens offer a wide variety and brilliant diversity of color, every shade of green and blue foliage; then there are the rich golden tints, the soft silvery grays and those varieties with the dainty white-tipped leaves.

Evergreens are much desired for specimen lawn trees; they are also extensively used for massing, shelter belts, screens and. The taller varieties form perfect backgrounds for the showy flowering shrubs and trees of early spring, the berries of the bright backgrounds. autumn, the bright bark and twigs of winter, or the light green, golden or silver-blue growth of smaller evergreens.

This list includes the varieties mostly in demand. We can furnish all other sorts.

ARBORVITAE. See Thuya.

CYPRESS. See Retinospora.

JUNIPERUS (Juniper). These possess remarkable vigor and thrive in bleak situations, in poor, stony soils and barren lands, in low and damp places at the seashore, in fact, most anywhere.

-Excelsa Stricta (Greek Juniper). Close growing, pyramidal form, with gray green foliage. Excellent in the formal garden. 12 to 15 inch, \$2.75; 15 to 18 inch, \$3.50.

-Hibernica (Irish Juniper). Very useful in formal planting,

screenings for small yards and cemeteries. 1 to 2 feet, \$2.25;

2 to 3 feet, \$4.50. Pfitzeriana. A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. $1\frac{1}{2}$ to 2 feet, \$4.50; 2 to 3 feet, \$6.00.



Norway Spruce

PICEA (Spruce). Probably better known and more largely planted than any of the other evergreens; they are hardy, tall and rapid growers; reliable in almost any locality, living for many years. Suitable for planting as specimens, while some varieties are used for hedges and windbreaks.

Canadensis (Hemlock Spruce). A rapid grower; very hardy and not particular as to soil. If trimmed, it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$5.00; 3 to 4 feet.

-Excelsa (Norway Spruce). Rapid grower; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00.

PINUS (Pine). These will endure a wide range of climatic conditions, being native in the lowlands or the mountains, and will withstand cold, bleak winds. Useful on lawns and on public grounds. They are in variety so that a suitable sort may be

selected for almost any purpose.

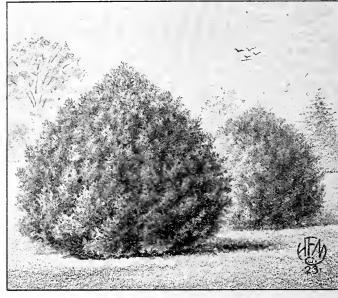
-Austriaca (Austrian Pine). Tall, massive, with spreading limbs and long, stiff needles. Thrives along the coast, inland, and under city conditions. Handsome for specimen or open group planting. We offer an especially fine lot of these desirable

trees. 3 to 4 feet, \$5.00.

-Excelsa (Bhotan Pine). Somewhat like the white Pine, having graceful branches, silvery gray green in color; very suitable for massing. 3 to 4 feet, \$5.00.

-Mughus (Mugho Pine). A low growing, broad spreading tree; in fact it is more of a large pine bush than a tree, and is very ornamental. 1 to 2 feet, \$5.00.

See Page 139 for Special Notice on Guarantee.



Retinospora

RETINOSPORA (Cypress). The many varieties vary consider ably in their general appearance and nature of growth; all o them can be clipped occasionally to keep them within growing boundary. The shades of colors are numerous, so that an assort ment of them makes a handsome effect.

Filifera (Thread Branched Retinospora). Broad and bushy with pendulous, dark green foliage of a thread-like nature. 1) to 2 feet, \$4.50; 2 to $2\frac{1}{2}$ feet, \$6.00.

-Plumosa (Plume-like Cypress). A splendid bushy variety with pyramidal outline, slender, graceful branches and light green leaves. $1\frac{1}{2}$ to 2 feet, \$3.75; 2 to $2\frac{1}{2}$ feet, \$4.50.

-Plumosa aurea. The most popular and generally useful of al the golden evergreens. Especially ornamental, the soft, plume like golden foliage being particularly bright in spring. 12 to 13 inches, \$2.25; 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.25; 4 to 5 feet \$9.50.

SPRUCE. See Picea.

TAXUS (Yew). These are a small growing evergreen, highly ornamental; effective in groups or bed plantings.

Cuspidata (Japanese Yew). One of the hardiest of Yews Upright, rather open growth, with rich green foliage; can be kept uniform and symmetrical by occasional shearing. 12 to 18 inch, \$3.50; 18 to 24 inch, \$5.00.

-Cuspidata brevifolia. The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 12 to 15 inches, \$3.75; 15 to 18 inches, \$4.50.

THUYA (Arborvitae). These are chiefly of upright habit, not growing overly tall; exceedingly hardy; of a brilliant greer all through the bleakest winter; splendid for back-grounds windbreaks or garden fences.

-Aurea (Golden Arborvitae). Golden foliage retained wel throughout the year. Attractive as a specimen, or to produce color contrasts in groups or beds. 18 inch, \$3.75; 24 inch, \$4.50 -Globosa (Globe Arborvitae). Light green foliage of a grayist

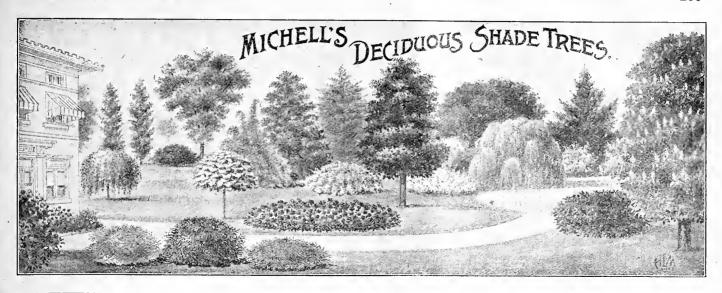
cast. The neat globular outline adapts this Arborvitae for formal plantings, tub and window box use, as well as in the foreground of Evergreen groups. 12 inch, \$3.00; 15 inch, \$3.50.

Occidentalis (American Arborvitae). A well-known, popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$2.25. \$1.44 for \$4.50.5 feet, \$7.50.

\$2.25; 3 to 4 feet, \$4.50; 5 to 6 feet, \$7.50.

Occidentalis pyramidalis (Pyramidal Arborvitae). The most narrow, columnar-like evergreen; medium growth; very distinct light green, compact foliage. 2 to 3 feet, \$4.50; 3 to 4 feet, \$7.50.

YEW. See Taxus.



This list includes the varieties mostly in demand. We can furnish all other sorts.

Beech, Purple (Fagus sylvatica purpurea). The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 4 to 5 feet, \$3.50.

Birch, Cut-Leaved Weeping (Betula laba laciniata pendula). Tall, slender, with graceful drooping branches, silvery-white bark and delicately cut foliage. 4 to 6 feet, \$2.00.

Crab, Betchel's Double Flowering (Malus Ioensis Bechtelii). The tree is of medium growth; the flowers are of immense size and of a beautiful pink color; highly fragrant. Very double. 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

Crab, Parkman's Flowering (Malus Parkmanii). Rose-colored buds open into little rosy-white flowers; these are succeeded by decorative fruits. The tree is of a rather spreading, irregular nature. 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

Dogwood (Cornus). See Page 135.

Elm, American (*Ulmus Americana*). One of the finest street shade trees in the world. 8 to 10 feet, \$2.50.

Horse Chestnut (Aesculus hippocastanum). The flowers are large, white spotted with purple and produced in large, compact spikes. A fine shade tree. 4 to 6 feet, \$3.00.

Larch, European (Larix dicidua). A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 3 to 4 feet, \$2.50.

Linden, American (Tilia Americana) (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 9 feet, \$3.00; 10 to 11 feet, \$5.00.

Linden, European (*Tilia vulgaris europaea*). Leaves smaller and darker than those of the American Linden; forms a dense shade. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.00.

Magnolia Soulangeana. A low spreading tree, covered early in the spring before the leaves appear with large flowers, purple at the base and white in the upper half of the petals. 3 to 4 feet, \$10.00.

Maple, Norway (Acer platanoides). One of the finest park, street or lawn shade trees in America; of rounded form, compact habit and stout, vigorous growth. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.50; 12 to 13 feet, \$6.00.

Maple, Sugar (Acer saccharum). Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.00.

Maple, Silver (Acer dasycarpum). Of rapid growth; extensively planted for ornament and shade. 8 to 10 feet, \$2.50; 10 to 12 feet, \$2.75.

Mountain Ash (Sorbus aucuparia). A handsome native tree; in autumn and early winter it is clothed with large clusters of red berries. 6 to 8 feet, \$2.50.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees and shrubs to live we will assume such guarantee at an advance of 25 per cent, over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

Mulberry, Tea's Weeping (Morus alba pendula). Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 1 year heads, \$3.75; 2 year heads, \$5.00.

Oak, Pin (Quercus palustris). Foliage deep green and finely divided; the leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$4.50.

Oak, Scarlet (Quercus coccinea). A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 6 to 8 feet, \$3.75; 8 to 10 feet, \$5.00.

Plane, Oriental (Platanus orientalis) (Buttonwood) (Sycamore). A favorite tree for avenue and seashore planting; of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.00; 10 to 12 feet, \$5.00; 12 to 14 feet, \$6.00.

Poplar, Carolina (Populus Caroliniana). Good in almost any location. 8 to 10 feet, \$2.50.

Poplar, Lombardy (Populus nigra italica). Its tall form, sometimes reaching 120 feet, makes it indispensable in land-scape effects for breaking monotony of outline. 6 to 8 feet, \$2.00; 8 to 10 feet, \$2.50; 10 to 12 feet, \$3.50.

Salisburia, Adiantifolia (Maiden Hair Tree). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$2.50; 8 to 10 feet, \$3.00.

Tulip Tree (*Liriodendron tulipifera*). A popular native deciduous tree, sometimes attaining a height of 75 to 100 feet. 6 to 8 feet, \$3.00; 8 to 10 feet, \$5.00.

Umbrella Tree (Catalpa bungei). For the lawn the Catalpa bungei is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 5 to 6 feet stems, 1-year heads, \$3.75 each; 5 to 6 feet stems, 2-year heads, \$6.25 each; 6 to 7 feet stems, 4-year heads, \$9.50 each.

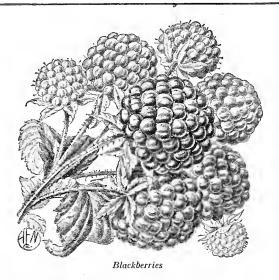
Weeping Willow, Common (Salix babylonica). This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the slightest breeze. Grows well in wet or dry places. 6 to 8 feet, \$2.00; 8 to 10 feet, \$3.00.

Weeping Willow, Thurlow's (Salix Elegantissima). Similar to Babylonica, but more upright. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

HAVE YOUR OWN FRESH PICKED FRUIT

Unquestionably one of the joys of living in the country or suburbs is the fact that one can plant a plot of fruit; the space at command will of course govern what you may have, but in the wide variety there is at least one or more for which space should be made. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

NOTE.—Owing to the peculiar laws of Florida and Mississippi concerning the shipping of nursery stock into those States, we regret WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK or SMALL FRUITS FOR SHIPMENT WITHIN THOSE STATES.



BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

Bushel Blackberry. Perfectly hardy. A delicious, large berry of finest flavor, and a very heavy cropper. In growth it is like the Black Diamond. Must be trained on poles or trellis.

Eldorado. A very vigorous grower, free from mildew or rust; very productive; fruit large, excellent quality and without core.

Iceberg. Each home garden should boast some white blackberries, and this is unquestionably the best yet produced. Clusters of white berries are produced very profusely in midseason and are both sweet and tender. It is not as hardy as some of the black varieties. As the blossoms are lacking in pollen, it should be planted near some black fruited variety in order to yield freely.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries, which are brilliant black, and retain their color under all conditions; very sweet and without core. Unsurpassed as a shipper and keeper.

Ward. An extra strong grower; produces an enormous crop of extra large, glossy black berries, which are rich, sweet, and tender and with no hard core.

Price of Blackberries, \$1.00 per doz.; per 100, \$7.00.

Note.—If Blackberries are desired by Parcel Post, allow 25c. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

Shipping Seasons for small fruits are usually from March 25th to May 15th and from November till freezing time.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or grower. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

CURRANTS (Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size; dark red.

Price. Strong 2-year old, 40c. each; per doz., \$3.50; \$20.00 per 100.

Note.—If Currants are desired by Parcel Post, add 25c. per doz. for postage, as we send out extra strong bushes.



Currants

GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. Poultry or Pigeon manure is splendid fertilizer for the plants, and where it cannot be readily obtained we recommend a liberal application of Sheep manure. They will repay you for this trouble with an extra big crop.

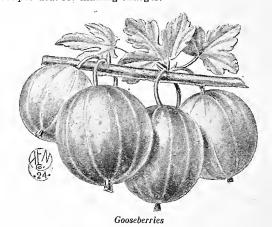
Downing. Medium to large; whitish green; flesh soft and juicy.

Red Jacket. Berries medium; color, pale red; tender and good.

A wonderful cropper, with clean, healthy foliage.

Price. 35c. each; doz., \$3.00; \$20.00 per 100.

Note.—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.



PLEASE NOTE.—Some States forbid the shipment of Gooseberries into their boundary. Before ordering it might be well to ascertain if there is such a law in your state.

GRAPE VINES

A few of these planted in the garden, after several years will yield abundant crops.

and they last for years with little attention except pruning and spraying.

had they last for years with little attention except pruning and spraying.

aco. The most delicious of all Grapes—perfectly hardy; has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties, \$1.00 each; doz., \$10.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick healthy foliage; berries large, black, with light purplish bloom;

vigorous, with thick healthy lollage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich and delicious.

Catawba. Delicious flavor; medium size, red berry.

Champagne. A sterling variety of greatest merit. Color a coppery red. Berries very large. Immense producer. Seasons in which other varieties did not fruit, this variety stood out bearing an immense crop. Very strong grower, fifteen to twenty feet or more a season being common. Has never been known to winter kill. \$1.00 each; doz., \$10.00.

Concord. The well-known standard purple variety; succeeds wherever grapes will

grow.

Ives. One of the most prolific bearers; medium size; color, purplish black.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Niagara. An unusually strong grower; bunches very large and compact; berries large,

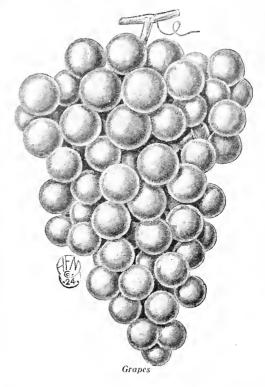
light greenish-white, semi-transparent; has very little pulp and is sweet to the center. Prices.—Any of the above, excepting Caco and Champagne, 2-year old vines, 50c. each; doz., \$5.00. If Grape Vines are wanted by mail, add 5c. each for postage charges.

EVERBEARING RASPBERRY "RED-RANERE" or "St. REGIS"

The most popular Raspberry in cultivation, bearing continually from July until well into November. Its main crop is produced in the earlier period, but substantial quantities may but substantial quantities may be harvested almost every day until sharp frosts appear. The fruit is of good size, luscious in taste and excellent flavor, in fact there is no good quality any of the regular varieties of raspberries possess that is lacking in Ranere; a few dozen bushes will supply the average family with sufficient for table use and a surplus for canning, the color is a brilliant red. Strong plants, \$1.00 per doz.; per 100, \$7.00. If wanted by mail, add 25c. per doz. for postage.



Cuthbert Raspberry



RASPBERRIES

(Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter

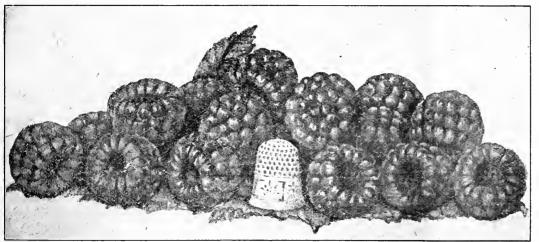
Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson; an old-time favorite.

In this extra early variety are united earliness, bright color, firmness and excellent quality of its berries with vigorous growth, productiveness and hardiness of cane. Its crimson berries are exceedingly bright in color and firm to endure long shipment.

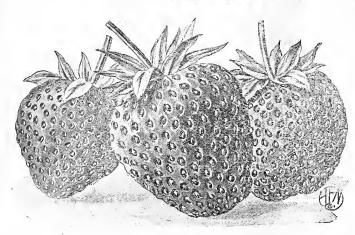
> Welch. So sweet and rich in flavor, this was at one time offered as "Honey Raspberry." A mid-season variety with berries of extra large size, good, bright crimson color and honey sweetness, melting and luscious. It is not firm enough to ship well a long distance. The canes are vigorous, hardy and productive. Superb for the home garden.

> Price, \$1.00 per doz.; per 100, \$7.00.

If Raspberries are wanted by mail, add 25c. per doz., for postage.



Everbearing Raspberry Ranere



Premier Strawberry

STRAWBERRY PLANTS

There are two types of Strawberry Plants, one known as "Pot Grown," usually ready for shipping in July and August, and the other known as "Layer Plants," usually shipped in the spring months and the latter is what we are offering here. Layer plants set out in the early spring usually bear a few berries the first season, while the main and succeeding crops come the following season and later. The layer plants should be set out in April, when possible, about 1 foot apart, in rows two feet apart.

EARLY VARIETIES

Early Jersey Giant (Perfect). Pre-eminently the finest of the early varieties. It is brilliant scarlet-crimson in color, and exceptionally firm, by far the firmest of all early sorts. Berries

exceptionally firm, by far the firmest of all early sorts. Berries very large, conical with pointed tip; has delightful aroma and rich, mild strawberry flavor. A very heavy yielder.

Premier (Perfect). This variety has no weak points, it is a vigorous grower, doing well on all types of soil. The plants are enormously productive, commencing early and bearing through a long season. The berries are beautiful in appearance, having a glossy rich red color extending clear through, and a bright green cap; the flavor is delicious. We consider this one of the very best berries in cultivation.

Senator Dunlap (Perfect). This grand Strawberry will please the most critical person. One of the first to yield and continues well into the height of the season. Fruit bright red, glossy and very attractive. It cannot be recommended too highly.

MID-SEASON VARIETIES

Big Joe (Perfect). The merits of this splendid variety are great vigor of plant, splendid root system, exceptional productiveness, large size of fruit, excellent flavor, and length of bearing season. The berries are perfect beauties, of very uniform, conical shape, rich red in color. In size the berries are not surpassed by those of any other variety grown, while the flavor is superior to that of most large fruited sorts.

William Belt (Perfect). Chosen for its popularity because of the many good qualities embodied in this one variety. The plant is vigorous, though not a rampant grower; succeeds on all soils, invariably yields heavily, and continues for a long period; the berries are always of large size and highest quality; deep crimson in color and very firm. Continues to bear until almost the close

of the season.

LATE VARIETIES
Gandy's Prize (Perfect). This variety is known to most every berry grower as one of the best late sorts. It is very large, solid and of a beautiful crimson color; especially good for family garden planting.

tevens' Late Champion (Perfect). "Very large; fine flavored; bright color; good shipper; heavy yielder; good fruit stem." This berry has averaged 7556 quarts per acre. It has "Very large; been tested on all kinds of soil and will grow successfully where any strawberry will grow. It will stand a drought better than any other berry ever grown in this section. It has never shown

any sign of rust.

Price of the above Layer Strawberry Plants. 75c. per doz.; 25 for \$1.00; \$1.50 for 50; 100 for \$2.00; \$17.50 for 1000. We can supply most all other popular varieties though not offered here. If strawberry plants are wanted by mail, add 10c. per doz. or 25c.

per 100, for parcel post.

Shipping season usually begins in April and continues until plants are in blossom.

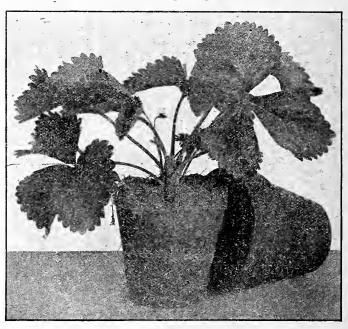
AUTUMN FRUITING OR EVER-BEARING STRAWBERRY PLANTS

Progressive. The berries are medium in size and delicious in quality. You can get fruit a few weeks after the plants are set

and they continue to bear until freezing weather.

Price of the Fall Fruiting Varieties, 75c. per dozen; 25 for \$1.00; \$1.50 for 50; per 100, \$2.75; \$22.50 per 1000.

If layer Strawberry Plants are wanted by mail, add 10c. per dozen; 25 for per 100 for mailing above. doz., and 25c. per 100 for mailing charges.



A Pot Grown Strawberry Plant

POT GROWN STRAWBERRY PLANTS

Ready usually after August 1st. Price will be established later.

BOOKS ON THE CULTURE OF FRUITS

Berry Book (Biggle). 140 pages\$0.50
Fruit Culturist, American (Thomas). 758 pages 3.50
Fruit Garden (Barry). 516 pages
Grape Culturist (Fuller)
Home Fruit Grower (Kains). Cloth \$1.50; Paper 1.00
Orchard Book (Biggle)
Principles and Practice of Pruning (Kains). 400 pages 2.50
Principles of Fruit Growing (Bailey) 2.50
Pruning Manual (Bailey)
Small Fruit Culturist (Fuller). 298 pages 1.60
Strawberry Culture (Fuller)40

MICHELL'S SPECIAL GRADE BONE MEAL

An excellent fertilizer to use when planting strawberries, about a teaspoonful to a plant. 25 lbs., \$1.40; \$2.50 per 50 lbs.; 100 lbs., \$4.00; \$7.50 per 200 lbs.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

APPLES

Baldwin. Large round, deep red, late variety Ben Davis. A late keeper; handsome striped fruit.

Fall Pippin. Large, yellow, rich and delicious. A good bearer when it reaches maturity. Likes a moist, well-drained soil; a good Autumn apple.

Grimes' Golden. Deep golden yellow; fine for Christmas.

Hyslop (Crab). Deep crimson with blase bloom.

Red Astrachan. An old popular variety; tart, juicy; flesh tinged with red; very

Stayman's Winesap. Fine variety; good keeper; deep red on a yellow ground. Transcendent (Crab). Yellow, striped red; good yielder.

Price of Apple Trees: 6 to 8 feet high, \$1.75 each; 6 for \$9.00; \$15.00 per dozen.



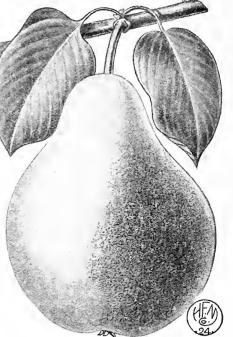
As fresh fruit few varieties equal in lusciousness the apricot; should be planted more generally where there is room for trees.

Alexander. Orange yellow with faint blush; firm, coarse flesh. Catherine. Early; oblong shaped; rich orange with red cheek.

J. L. Budd. Early; light orange, similar to Catherine.

Price of Apricot Trees: \$2.00 each; 6 for \$9.00; \$15.00 doz.

Fruit trees are best shipped by express; they cannot be sent via parcel post and shipment via freight is not safe.



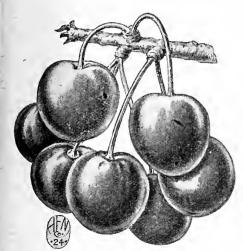
Bartlett Pear

PEACHES

Belle of Georgia. Free-stone; rich creamy white, red cheek.
Carman. Early; pale yellow, red blush; very fine.
Champion. August. A magnificent white peach; extremely rich and juicy; very popular. Should be included in every home orchard. Free-stone.

Crawford's Late. Greenish yellow with dull red cheek. Elberta. Mid-season; very large; yellow with red cheek. Fox Seedling. Late September. Skin and flesh white. Free-

stone. Fruit large and of high quality.
Price of Peach Trees: 5 to 6 feet, \$1.25 each; 6 for \$6.00; \$10.00 per dozen.



Cherries

CHERRIES

Black Tartarian (Sweet). Large, purplish black; immense bearer.

Early Richmond (Sour). Dark red, medium size; splendid flavor.

Large Montmorency (Sour). Light red; very productive.

Schmidt's Bigarreau (Sweet). A good late variety. Fruit large; flesh dark red, very firm; sweet, rich and of good quality.

Napoleon (Royal Ann). The best and most profitable yellow sweet enerry. Flesh very firm,

juicy and delicious.
Price of Cherry Trees: 5 to 7 feet, \$2.00 each; 6 for \$9.00;

\$15.00 per dozen.

PEARS

Bartlett. Yellow, shaded blush; very sweet and juicy; early.
Kieffer. A fine variety for late autumn and for canning.
Lawrence. Canary yellow; sweet and a splendid keeper.

Seckel. Small; yellowish brown; very sweet and juicy.
Price of Pear Trees: 5 to 7 feet, \$2.00 each; 6 for \$10.50;

\$17.50 per dozen.

Abundance. Amber, turning to a rich, bright cherry color. Burbank. Orange yellow, overlaid red; rich and sugary. Imperial Green Gage. Middle of August. A delicious, good-sized free-stone, sweet and juicy. Greenish in color.

Price of Plum Trees: 5 to 6 feet, \$2.00 each; 6 for \$10.50;

\$17.50 per dozen.

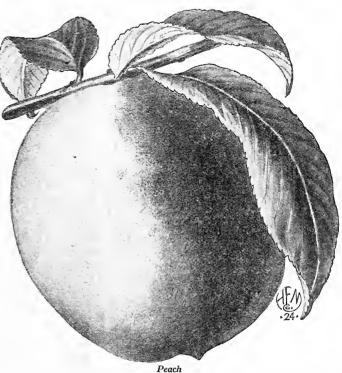
QUINCES

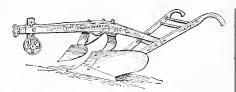
Champion. Very prolific bearer; large fruit.

Orange. Round; golden yellow; fine for preserving.

Price of Quince Trees: 4 to 5 feet, \$2.00 each; 6 for \$10.50;

\$17.50 per dozen.
NOTE.—We can also supply all other varieties of Fruit Trees.





SOUTH BEND PLOWS

For garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions. No. 1B. Wood beam plain, one horse. \$9.75 No. 2F. Wood beam plain, 1-horse,

No. 2F. Wood beam plain, 1-horse, heavy; or 2-horse, light...12.00 No. 3F. Wood beam plain, two-horse.16.00 The prices above are for plain plows with

The prices above are for plain plows with clevis only.

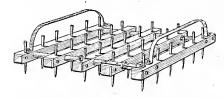
The Nos. 2 and 3 Plows can be equipped with wheel and jointer at the following additional cost: Wheel only, \$2.00; jointer only, \$3.75.

SOUTH BEND PLOW PARTS

	Shares M	louldboards	Beams
No. 1B	\$0.55	\$2.50	\$2.00
No. 2F	.60	3.50	2.50
No. 3F	.70	4.50	2.50
	Complete	Jointer-	Land-
	Handles	points	sides
No. 1B	\$2.25	-	\$0.85
No. 2F	2.50	\$0.40	1.25
No. 3F	2.50	.40	1.50



DOODLL INLES	
	Price
11 Wood Single Trees, 26 inches, hooks	
or rings	\$1.40
11 Wood Single Trees, 28 inches, hooks	
or rings	1.50
2 Wood Double Trees, heavy, 36-inch,	
hooks or rings	4.75
3 Steel Single Trees, 26-inch, hooks or	
rings	2.25
1 Steel Double Trees, 34-inch, hooks	
or rings	6.50



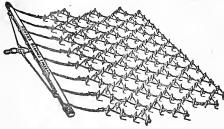
GARDENER'S SPIKE TOOTH HARROW

Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place. 24 teeth....\$12.50 | 32 teeth....\$14.00

DISC HARROWS

	DIOC HAI	STE O BA	
All 2 h	orse.		
Discs	Diameter	\mathbf{Cut}	Price
8	16 in.	4 ft.	\$55.00
10	16 in.	5 ft.	60.00
12	16 in.	6 ft.	65.00
Prices	include pole;	if Fore	Truck is
	m mlasa af mala	~ 44 641	AA + +1-

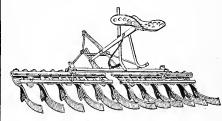
Prices include pole; if Fore Truck is wanted in place of pole, add \$11.00 to the above prices.



SCOTCH CHAIN HARROW

One of the best implements for pulverizing the surface soil, leveling and smoothing; also splendid for covering grass seed, etc. Used on driveways and race tracks, it smoothes the surface, eliminating ruts and footbrints.

1000	prints.			
	Size			Price
1F.	One-horse size, 5 x 6 ft.	126	lbs.	\$35.00
2F.	Medium two-horse	size,		
	6 x 7¾ ft		lbs.	45.00
3F.	Full two-horse size,	9 x		



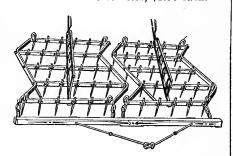
ACME PULVERIZING HARROW

This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground.

No.

Design

No. Price 23. 6 ft. covering area, 2-horse. \$32.00 G. 3 ft. covering area, 1-horse. 14.00 Extra blades or coulters, \$1.00 each.



INTERNATIONAL SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.

mon in t	me son.		
$\Gamma { m ooth}$	-	Sections	Price
25		1	\$15.00
30		1	17.50
50	-	2	30.00
60		2	32.50

INTERNATIONAL SPRING TOOTH HARROWS

	- 0 0 1 11 1111111	
Tooth	Sections	Price
15	2	\$35.00
17	2	37.50
9	1	24.00



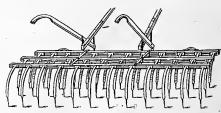
MEEKER DISC HARROW

This harrow leaves the soil a fine seed bed, as good as could be prepared with a rake; the ideal tool or implement for dragging over the garden after it has been harrowed; splendid also for dragging over grass field or lawn, prior to sowing grass seed on sod.

No. Price
1. 4 ft. 6 in. x 4 ft.—46—8 in. discs. \$40.00
2. 6 ft. 8 in. x 6 ft.—58—8 in. discs. 44.00
3. 8 ft. x 6 ft.—82—8 in. discs. 67.50

SPECIAL MEEKER HARROW

For use on lawns and golf grounds; equipped with 28-8 in. discs, which cut 1½ in. deep under maximum load or weight. 3 ft. x 6 ft. 8 in. for one horse. Equipped with wheels for transporting from place to place readily. Price upon application.



THE KEYSTONE WEEDER

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. This weeder can be adjusted to cover a 7½-ft. stretch. Any of the teeth can be easily removed, if it is desired not to cultivate very finely. Excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$14.00. (Extra teeth, 40c. each.)



LARK FERTILIZER DISTRIBUTOR

For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process.

Hand Machine. Holds about 2 bu., covering area 3 feet wide. Price, \$18.00.
Horse Machine. For use on large lawns, fields and golf grounds. It is furnished equipped for either one or two horses, as may be desired. Price upon application.

MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES



WHEELBARROW GRASS SEEDER

The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly. No. 9 (especially for Grass Seed), sows a width 14 ft., \$15.00.



BROADCAST SEED SOWERS

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

											Ľach
Cahoon						,				. :	\$5.75
Rittenhouse											3.00

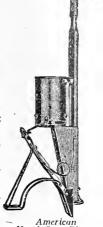


AMERICAN HAND CORN PLANTER

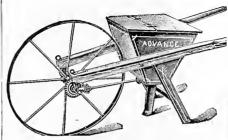
A great seed economizer and labor saver. Price. \$3.50.

J. I. CASE. ONE HORSE DISC CORN DRILL.

Equipped with a fertilizer attachment: will also plant peas. beans, etc. Can be furnished however. without a fertilizer attachment if desired. Price upon applica-

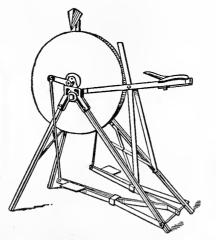


American Hand Corn Planter



"ADVANCE" DRILL

A splendid machine for drilling in fertilizer prior to planting, or between the rows to stimulate growth after the plants are started. A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement. First-class for drilling of peas, beans, corn, etc. Price, each, \$17.00.

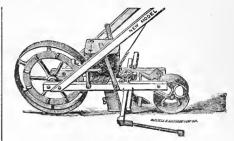


STERLING MOUNTED GRINDSTONE

Substantially made; heavy steel frame, with seat and double treadles; fitted with improved ball bearings, of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 13/4 to 21/4 inches thick. Weight 100 lbs.

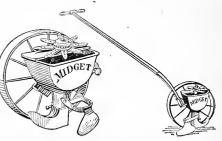
Shipped knocked down, crated. Price,

\$11.50.



MODEL SEED DRILL

The depth of sowing can be easily regulated. A typical market gardener's drill, having a large capacity for seeds. Price, \$15.00.



THE MIDGET SEED DRILL

The Midget Seeder will pay for itself in a short time, because it saves seed by sowing accurately. It drills almost any kind of garden seed, including peas and beans. The Midget opens the furrow, sows the seed and covers up, all in one operation. Weight 6 pounds. No. 1. Without handle, \$4.00.

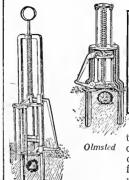


STEEL ROAD SCOOPS

For dragging soil from one place to the

other	', grading, filling in, etc.	
No.	Capacity	Price
1. I	ngham, 7 cu. ft	\$12.50
2. I	ngham, 5 cu. ft	11.50
3. I	ngham, 3 cu. ft	11.00

MOLE TRAPS



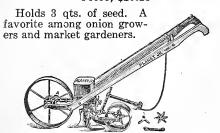
Reddick

Complete Booklet on the Habits of the Mole mailedfree, or included with each Mole Trap if asked for at time of ordering.

For catching moles that ruin lawns and damage the contents of hotbeds and cold frames. Moles move usually about 5A.M. and 5 P. M., so that traps should be set

for that period. See illustrations above. Olmsted.....\$2.25

PLANET JR. SEEDERS AND WHEEL HOES



The flow of seed is instantly started or stopped by the cut-off rod. Sows in large or small quantities in drills or in hills.



Sows all garden seeds, plows, opens furrows and covers them, hoes and cultivates.

No. 4D SEEDER. Price, \$16.25. As above less the cultivating attachments.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE CULTIVATOR AND PLOW Price, \$25.25

A splendid combination for the family garden, onion grower or large gardener.

No. 35 PLANET JR. SEEDER ATTACHMENT

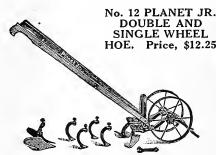


Ever since the wheel hoe has re-placed the hand hoe there has been a demand for a small seeder that could be attached to the wheel hoe.

Particularly suited for planting short rows and in small quantities. With one bolt it fastens to any Planet Jr. Wheel Hoe or Garden Plow, except the Fire-Fly, or you can bolt a home-made handle to the bracket on the rear of the hopper and use as a seeder independently of the wheel hoe. Price, \$6.50; with handle, \$7.00.



Straddles crops till 20 inches high, then works between.



No. 13 DOUBLE WHEEL HOE

This is like No. 12, except that it is equipped with 1 pair side hoes only. \$8.75.



No. 17 PLANET JR. SINGLE WHEEL HOE. Price, \$8.50.

This is the same as No. 16, but without the rakes and leaf lifter.

No. 17½ SINGLE WHEEL HOE Same as No. 17, except there is no plow. Price, \$8.00.

No. 18 SINGLE WHEEL HOE This is like No. 17, except that it is equipped with 1 pair side hoes only. \$6.50.



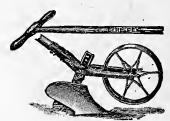
No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

Equipped with a 24-in, diameter wire wheel, one 11/4 in. cultivator tooth, one 4-in. cultivator tooth, one plow, one reversible scuffle blade. \$5.50.



PLANET JR. JUVENILE CULTIVATOR

When Spring comes the children like to get out and help in the garden. Frequently there are no tools for them to use. But here is a tool that every boy and girl will appreciate because it is made just for them, and will enable them to enjoy, and benefit by, garden work. Price, \$4.50.



FIRE-FLY GARDEN PLOW

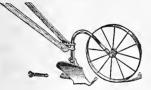
Useful to owners of small gardens, and to chicken raisers for plowing up scratching yards. Price, \$4.50.



PARTS OF

PLANET JR. WHEEL HOES	
Disc Hoespair	\$3.50
4½-inch Hoes C. & D1	1.30
6 " Hoes C. & D1 "	1.40
7½ " Hoes C. & D1"	1.60
7½ " Hoes C. & D1" 9 " Hoes C. & D1"	1.75
Peat Land Hoes"	2.75
3-prong Cultivator Teeth "	2.25
Cultivator Teeth, Regular, No.	
1395, all steel, each	.40
Narrow Cultivator Teeth, No.	
2775, all steel, each	.40
Rakes, Three Toothper pair	1.50
Rakes, Five Toothper pair	2.00
Plows for Double Wheel Hoespair	1.50
Plows for Single Wheel Hoeseach	1.50
Double Mouldboard Plows	2.50
Handlesper pair	1.40

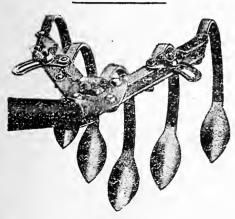
MICHELL'S FARM AND GARDEN TOOLS



IRON AGE No. 11 WHEEL PLOW

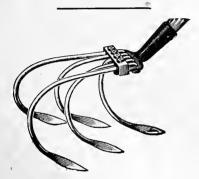
The work of hilling up crops in the garden by the hand hoe method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidity, but does it much better. Price, \$4.50.





PULL-EASY CULTIVATOR

The teeth are adjustable to various widths splendid for going between rows of young growing crops. Can be shipped by express or freight only. No. P. E. 5. Price, \$1.35



INVINCIBLE CULTIVATOR

This will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.00.

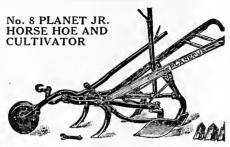


PLANET JR. 12-TOOTH HARROW CULTIVATOR AND PULVERIZER

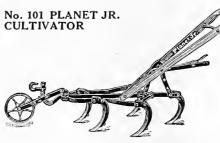
With the Twelve-Tooth Harrow, you go Double, for hilling one side of 2 rows. as deep or shallow as you like and come up Price, \$36.75. close to row without injuring plants. You widen and narrow as you please, between 12 and 32 inches.

No. 90. Complete with steel lever wheel and

pulverizer, \$20.75.
90B. Without pulverizer, \$17.00. No. 90D. Without pulverizer or wheel, \$13.25.



The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by a mere stroke of the arm. perfect five-toothed cultivator. Price, \$20.75.

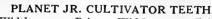


The latest Planet Jr. Plain Cultivator with improved expander.

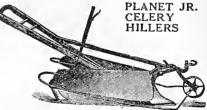
Price, as cut, \$12.75. No. 101D. Price without wheel, \$10.75.



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. Price, complete with cast wheel, \$17.75. No. 83D, without wheel, \$15.25.



Width Price Width $\frac{1}{4}$ inch.... .\$0.18 3 inch.....\$0.28 inch.... 4 inch inch..... 25 All 8 inches long.





Patent Pending

PORCUPINE CULTIVATOR

A steel covered roller 7½ inches wide, studded with rows of steel spikes, which enter the soil vertically to a depth of about two inches. As the roller revolves these spikes come up horizontally, bringing a section of the earth crust up against the stationary stripper-fingers, which crush and pulverize the soil thoroughly. Fine for loosening up bare spots in the lawn, working in a top dressing of fertilizer and for a dozen other uses which suggest themselves. Price.

THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

when pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.



Price of the Out-U-Kum Weed Puller \$1.00 each.

MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES

"LINKS-

LINKS-LAWN BOOTS

(For Horses)

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets.

No. 2. 5½ inches inside. No. 4. 6½ inches inside. No. 6. 7 inches inside. Price, per set of four, \$16.00.

Special Size Horse Boots made to order.

TENNIS COURT MARKER

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts; works perfectly on grass or clay. F. O. B., Philadelphia, \$42.50.



LAWN AND PUTTING GREEN CLEANER

The flexible rake bars are of wood, with steel springs and teeth; they rotate just like a lawn mower cylinder and clean up every particle of leaves, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large canacity.

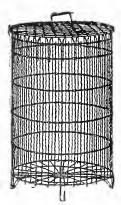
capacity. 24-in.Rake,orSweeper, \$32.00.

36-in. Rake only, \$45.00.

Please specify when ordering if wanted for lawn or putting greens.



Sweeping Brushes. Can be readily attached to the Rake for sweeping lawns, putting greens, paths, etc. \$9.00 per set of three, when purchased separately. We can also supply the Philadelphia Horse Lawn Sweeper. Price upon application.



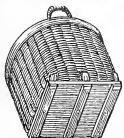
RUBBISH CONSUMERS

Made of galvanized wire; an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wir	e Construction
Diam. High	
Letter A -12×18	inches\$2.25
	inches 2.50
Letter C -18×26	inches 2.75
Latter D—21 v 31	inches 3.50

Extra Heavy Construction

RUBBISH BASKETS

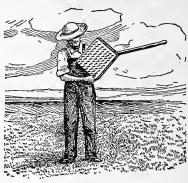


wheeled on a barrow. handles, \$4.50 each.

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or Price, with rope

SOD PERFORATOR

For use in loosening soil where grass is worn out, for reseeding; makes a perfect seed bed which means quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground; also desirable for



Sod Perforator

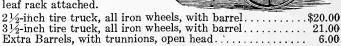
use on putting greens, for renovating. Price, \$6.00.

SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle; 12 inches square; weight, 20 lbs. Price, \$3.50 each.

BARREL TRUCKS, ETC.

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack attached.





Wood Leaf Racks

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck as shown above. Leaf Rack only, no truck \$8.00 Leaf Rack with 2½-inch tire truck......\$20.00 Leaf Rack with 3½-inch tire

KEYSTONE LEAF RACKS

Tammin minimum

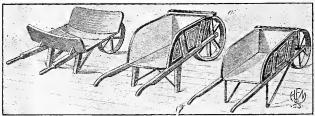
WE THE TOTAL THE THE TAX TO

This device can be used on wheel-barrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$8.00.



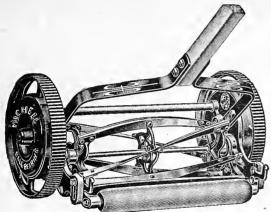
Wheelbarrows

The measurements of barrows are understood, viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.



-	Canal	Great American						
			No.	Tire	Length			Price
				In.	In.		In.	010.00
Lansing I	awn			$1\frac{3}{4}$	$32\frac{1}{4}$	$20\frac{1}{2}$	$26\frac{1}{4}$	\$19.00
Great Am	erican		1	$2\frac{3}{4}$	30	12	25	10.00
			2	$2\frac{3}{4}$	28	12	24	9.00
Great Am	erican 🗀		3	$2\frac{3}{4}$	26-	· 12	22	_ 8.25
Great Am	erican (Bo	oys')	4	$1\frac{3}{4}$	22	9	18	6.00
Canal. S	ide dump ((bolted)	. :					. 5.50
Special G	reenhouse	Style. Narrow body ar	id ha	ndle v	vidth			. 11.00

MICHELL'S HIGH GRADE LAWN MOWERS, ETC.



Michell's BB High Wheel Lawn Mower

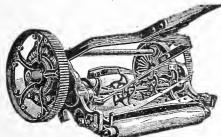
MICHELL'S HIGH WHEEL **BALL-BEARING LAWN MOWER**

In answer to the call our trade has for years made upon us for a mower of our own name, we have had designed by the best lawn mower makers in the United States the "Michell" High Wheel Ball-Bearing. Of the best material throughout in every detail, there has been the thought to construct not only a mower that would appeal to the intending purchaser from a standpoint of looks, but to give him more for his money than we might be able to do in other makes. The "Michell Ball-Bearing High Wheel Lawn Mower" is made for us by John Braun & Sons, who are the originators and makers of the "Famous Pennsylvania Quality" machines.

It has a 5-blade cylinder of tool steel blades, each hardened and tempered in oil; it is equipped with internal driving gears on both sides, making it easy to push. The cones and cups in which both sides, making it easy to push. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high, which ensures easy running; the bottom knife is self-sharpening with raised edge, of crucible steel, that will ensure long service. It can be regulated to cut the grass at a height of from ½ to 1½ inches, by adjustment, while it mows grass with some that is 6 inches high. ease that is 6 inches high.

 25-inch cut
 \$21.75 | 19-inch cut
 \$27.75

 17-inch cut
 24.75 | 21-inch cut
 29.75



Penna, Jr. BB Lawn Mower

PENNA. JR. BALL-BEARING MOWER

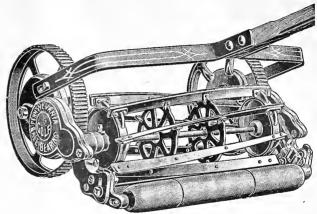
To get the best results from this machine, which does exceptionally fine work, the lawn should be moved at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires

We can also supply the Penna. Standard in same sizes and

THE CONTINENTAL LAWN MOWER

prices as above.

The regulation style for every-day lawns. The Continental is double geared while the Pennsylvania is single geared. High wheel, $10\frac{1}{2}$ inch diameter. 15-inch......\$27.00 | 19-inch......\$34.50 17-inch 30.50 21-inch 38.50



Penna. H. W. Golf Mower

PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc.; equipped with an iron roller of small diameter in three sections in place of the usual wooden roller

three sections in place of the astar wooden roller.	
17-in. High wheel, Ball bearing, 7 blade cylinder	\$34.00
19-in. High wheel, Ball bearing, 7 blade cylinder	38.00
21-in. High wheel, Ball bearing, 7 blade cylinder	42.00

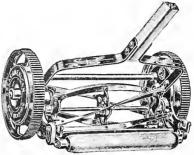
PENNA. PUTTING GREENS MOWER Roller Mower Type

For cutting wavy or undulating greens which are very popular on some courses. It is gear driven, with 7-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as 3-16 inch. Equipped with a 6-blade cylinder, $5\frac{1}{2}$ inches in diameter. 16-inch cut......\$34.00 | 18-inch cut......\$38.00

THE CARTER PUTTING GREEN MOWER

Built on the latest and most improved ideas and methods of up-to-date construction. Ball bearings which are made of the best steel thoroughly tempered; sprocket and chain drive; back roller as well as handles are made of steel tubing, no wood entering into the construction; 10½ inch diameter wheels; 8 blade cylinder; 18 inch cut. Furnished with a light, strong Grass Catcher. Price. \$75.00.

GREAT AMERICAN BALL-BEARING LAWN MOWER



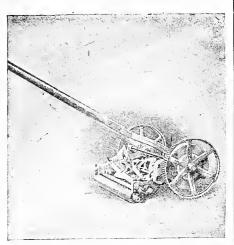
Great American Ball-Bearing Lawn Mower

A high class machine at a medium price: it is regarded as the best allaround mower of its type. The perfectly fitting ball cups and cones insure an easy running machine. 10-inch wheels: 5 blade cylinder, 6 inches in diameter.

15-inch	cut			\$19.50
17-inch	cut			22.50
19-inch	cut			25.00
21-inch	cut			28.00

Improved Clean Cut Lawn Mower Blade

An attachment which can be fastened to any hand machine that will leave an even, smooth cut turf. Price, for any size machine, \$1.65.



Coldwell Roller-Bearing II. W. Mower

COLDWELL IMPERIAL ROLLER-BEARING HIGH WHEEL LAWN MOWER

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running, ball-bearing, four-blade-cylinder, made to last and do fine work. 14-inch.....\$19.50 16-inch 20.75



Jewel Lawn Mower

JEWEL LAWN MOWER

Made by the Coldwell L. M. Co., to meet the demands for a fairly good, low priced mower, where the size of the lawn does not justify a heavy outlay. High wheel, 4-blade

12-inch															\$9.25
14-inch														,	10.25
16-inch		٠.			•	•	•		•	•	•		•		10.75

DELTA LAWN MOWER

Ball Bearing, low wheel.	
12-inch	 \$11.50
14-inch	 12.00
16-inch	
18-inch	



Showing how the K. C. Grass Catcher looks attached

GRASS CATCHERS

Despite what is said to the contrary if you want a good looking lawn you should not allow the cut grass to remain upon it; there are two ways of accomplishing this, one is to rake it off "costly and tedious," the other is with the use of a grass catcher "simple and practical." The weight of the catcher loaded with grass is thrown on the machine proper so that it really adds very little to the labor involved in mowing.

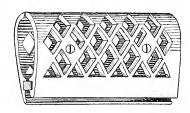
Keen Kutter. Made of galvanized iron bottom and canvas sides. For mowers 12 to 16 inches cutting width, \$1.65 each; for mowers 17 to 22 inches cutting width,

Braun Make. Galvanized bottom, canvas back and sides. Will fit any of the Pennsylvania line of hand mowers.

12-inch \$3.00	17-inch \$3.75
14-inch 3.25	18-inch 3.75
15-inch 3.50	19-inch 4.00
16-inch 3.50	21-inch 4.25
Catchers for Penna	Golf and Putting

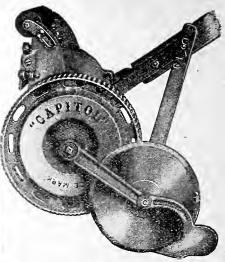
Greens mowers, all sizes, 14 to 21-inch, \$8.00 each.

Catchers for Penna. Horse and Pony mowers. 25-inch for Pony mower, \$5.50; 30inch, \$30.00; 38-inch, \$38.00.



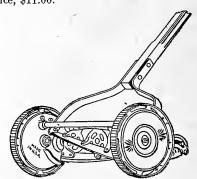
G. M. LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c. each, postpaid. Extra files, 15c. each.



CAPITOL LAWN TRIMMER AND EDGER

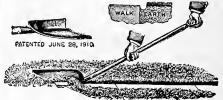
This is the original lawn trimmer and edging device. The steel disc can be adjusted in a few seconds to convert it into a first-class edging device, while for trimming along borders and walks as well as against buildings, fences, etc., it will prove to be an excellent tool; it cuts a swath 6 inches wide, and its purchase will be a lasting satisfaction. Price, \$11.00.



Coldwell Gem Mower and Trimmer

COLDWELL GEM MOWER AND TRIMMER

For terraces and steep embankments, where it is hard to use a regular lawn mower, or for small plots this machine will suit very well; made of first-class material; cuts a swath 8 inches wide; ideal for a small child. Price, \$8.00.



No. 136, IMPERIAL LAWN **EDGE TRIMMER**

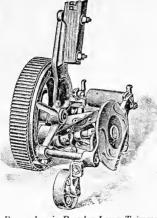
With this tool the rough straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes. It plows a clean U-shaped trench, delivering the cutting on the sidewalk. The edges along the curbing and walk of an eighty foot lot can be trimmed in twenty minutes, leaving the whole surroundings neat and attractive. Price, \$1.50.

MICHELL'S RELIABLE LAWN TOOLS, ETC.

PENNSYLVANIA LAWN TRIMMER

Made to meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns or borders after mowing. This machine will cut to within 3% of an inch of a wall or tree trunk, and mow any grass border wide enough to run one wheel on. The blades are of best crucible steel; it is ball bearing and self sharpening; built for long years of service, and so light a child can use it successfully; cuts a swath 5½ inches wide; equipped with an 8-inch drive wheel and a four blade cylinder. Price,

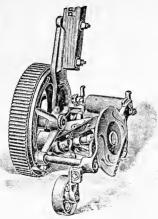
Pennsylvania Undercut Lawn Trimmer



Pennsylvania Regular Lawn Trimmer

PENNSYLVANIA UNDERCUT LAWN TRIMMER

The unique construction of the undercut trimmer permits cutting not only close to a wall, fence, tree, etc., but it will get the grass under a fence or rock cut base of tomb stones, house foundations and other places hitherto out of reach of any-thing but hand shears. The slanting side plate and conical cylinder make it possible to cut all grass which the regular lawn mower will not reach. Ball bearing, with 9½ in. drive wheel; four blade cylinder. Price, \$12.00.



COLDWELL. LAWN TRIMMER

A practical machine for trimming along the edges of walks. drives, flower beds and borders: equipped with one large drive wheel and one small guide wheel: 8-in. cut. Price, \$10.25.

Michell's Top Notch Lawn Grass Seed

The top notch of quality. See 4th cover page.



Coldwell Lawn Trimmer

ALLEN McWHORTER **EDGER**

Attachment for Lawn Mower Sidewalks are quickly and easily trimmed with this simple, practical device. Easy to attach to any mower made by the Penna. L. M. Co.—see illustration. The weight of mower forces the EDGER to depth required and the mower wheels keep it in position. Turn the mower upside down and walk along as easily as when mowing. Easily detached if desired, can be adjusted in any position. Price, \$1.50. By P. P. \$1.65.



Planet Jr.

GARDEN AND LAWN TOOLS

Our house makes a specialty of these, and carries probably the largest assortment in practical styles to be found anywhere; the quality is only the very best obtainable and we can readily say our garden and lawn tools give splendid service.

PLANET JR. No. 2. GRASS EDGER

A simple steel disc device, with a flange that runs on the cement path, to cut away the grass which hangs over the edge of the walk; this revolving disc operates very easily and does not cut away any of the soil which some people object to; can be used successfully on straight or curved cement paths. Price, \$2.00.

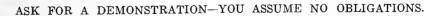
BOLENS POWER HOE

The Bolens Power Hoe is a radical innovation, designed to do

The Bolens Power Hoe is a radical innovation, designed to do with gasoline power the seeding and cultivating which must otherwise be done with hand or push implements. This machine is past the experimental stage, its practicability is demonstrated by the many hundreds using the Bolens for intensive cultivation who are recommending it to their friends. The important features of the Bolens are: a patented arch axle which permits the tractor to travel astride the row, passing over plants 14 to 20 inches high and work in rows 12 inches apart or wider—a tool control whereby one can guide it along winding rows, and do the most accurate weeding and mulching. The patented differential weeding and mulching. The patented differential drive enables the operator to turn "about face" without dragging either wheel, while the offset handles permit the operator to walk between rows, while the tractor travels astride.

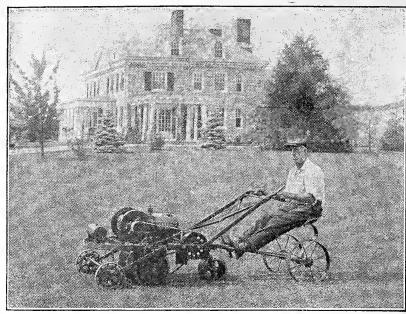
You will note the broad gauge wheels on the frame to accurately regulate the depth of cultivation and that attachments are snap hitched, which makes the unit instantly interchangeable ready for work at a moments notice without even using a wrench.

Equipped with a 1½ H. P. engine of proven merit and weighs but 200 lbs. complete. The Bolens Power Hoe with Cultivator frame for one and two rows and tool holders less tools, \$190.50 f. o. b. Phila.



IDEAL MOTOR LAWN MOWER

The motor driven lawn mower is rapidly displacing the horse drawn machine on many large estates. Its advantages are readily obvious, chief among which are that when it is not working it costs nothing beyond the interest in the investment. A horse requires care and attention and must be fed every day of the year; a motor mower will cut about four times as much grass with the same size mower as will the horse machine; it leaves no hoof tracks, and keeps the lawn well rolled at the same time as cutting. The Ideal Motor Lawn Mower is equipped with the best and very latest devices, which render it almost fool proof. It comes in three sizes and may be purchased with or without a riding attachment. The company manufacturing these is very strong in every respect and from our own selling experience covering a period of five years, we have not had one dissatisfied customer. We shall be pleased to send complete detailed literature. Prices f. o. b. Philadelphia. 22-in. cut, \$260.00 (without riding attachment); 30-in.-cut, \$375.00 (without riding attachment); 84-in. cut, Triplex style, \$1300.00; Riding attachment for 30-inch machine only, \$20.00 extra.



30-inch Ideal Motor Mower with Riding Attachment

4-ACRE POWER LAWN MOWER



It is the smallest, most compact and simple mower on the market today, weighing only 200 pounds, and occupying only a space of 18 x 35 inches when not in use. It cuts a swath of grass 24 inches wide, and travels by its own power at the rate of 3 to $3\frac{1}{2}$ miles per hour, which gives it a cutting capacity of fully four acres per day at a fuel cost of less than 40 cents, and doing the work of 4 to 5 men.

Low first cost, low operating expense and big cutting capacity are the distinguishing features of the 4-Acre Power Lawn Mowers. Performance is the sole standard by which a lawn mower can accurately be judged. This 4-Acre Mower stands

pre-eminent among power mowers and renders exceptional performance under all conditions which a power lawn mower can be expected to work.

To operate the machine, a few turns of the starting crank starts the engine and the upward and downward movement of the clutch handle at steering handle starts or stops the traction of the mower, and by turning the Reel Clutch Handle located on the left side of the machine, the rotation of the reel also starts or stops. A miniature differential enclosed in one wheel makes the steering as easy as that of an automobile. The motor is so well muffled that it is a start of the material start and the that it can scarcely be heard at a very short distance and with enclosed drive gears running in a constant oil bath the machine is practically noiseless in operation.

Power is transmitted from the engine to the traction wheels and cutting reel through two "cone type" clutches, working independently of each other. Traction can be obtained without revolving cutting reel, thus making it possible to cross graveled drives, sidewalks, etc., without danger of obstruction injuring knives. In case any sticks or stones become caught in the cutter blades while machine is in operation the reel clutch will slip leaving the knives uninjured.

GENERAL SPECIFICATIONS

1 H. P. Motor, 2 cycle, 3 port 2½ inch bore, 2½ inch stroke, 1000 R. P. M. at 3½ m. p. h.; consumes about 1 gal. gasoline per day; cuts 24 in. wide; capacity 4 to 5 acres per day; net weight 200 lbs., crated 250 lbs. Price f. o. b. Racine, Wis., with Grass Catcher \$275.00. (Price f. o. b. Phila., freight shipment \$280.00.)

COLDWELL MOTOR MOWERS

Capable of propelling up grades as steep as 25 per cent. Model M. can be equipped with Coldwell's patented demountable cutting units. This device is an extra cutter part, composed of the revolving and stationary knives and the necessary parts to carry them.

Model M. 40-inch cutting area. F.o.b. Newburgh, N. Y. \$1500.00 Model G. 35-inch cutting area. F.o.b. Newburgh, N. Y.. Model H. 30-inch cutting area. F.o.b. Newburgh, N. Y.. Model L. 25-inch cutting area. F.o.b. Newburgh, N. Y..

COLDWELL HORSE MOWERS

n., seat and shafts..\$120.00 | 35-in., seat and shafts..\$132.50

All 4-blade cylinders; 6-blade cylinders, \$15.00 extra.

PENNSYLVANIA TRIO LAWN MOWER

Cuts a swath of 86 inches. So constructed that it does not raise off the ground when the horse starts. The gears are housed in a dust-proof case which diameter, with a 21/2is packed with grease, causing them to run noiselessly and free. The cylinder is 7 inches in diameter, equipped with 4 extra crucible steel knives

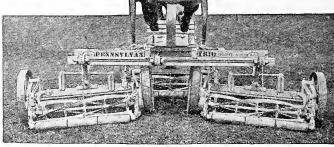
tem-

hardened and

wheels are 18 inches in

pered in oil.





Pennsylvania Trio Mower

TOWNSEND TRIPLEX HORSE LAWN MOWER

This mower can very easily be operated by one horse and a driver; the sections can also be taken apart, so that even a single mower may be used; cuts a swath 86 inches wide; equipped with 5-blade cylinders.

Price, f. o. b. Bloomfield, N. J., \$375.00 complete. Extra Cutting Units complete, Price, \$100.00.

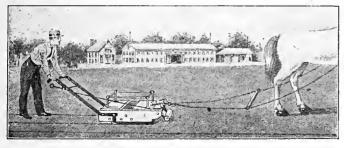
MICHELL'S LAWN AND GARDEN ACCESSORIES



PENNSYLVANIA HORSE LAWN MOWERS

For many years regarded as the best made and they are still without a superior. The bottom and cylinder blades are made of the best crucible steel, tempered in oil. They are of easy draught and will be found more generally used than any other make of horse drawn lawn mowers. The Standard machine is adapted to hilly, rolling lawns, while the Grand style being heavier in construction and weight is the ideal machine for level lawns and grounds; its use serves as a lawn roller as well as a mower. Where there are few trees and little shrubbery a mower equipped with seat and shafts will be found desirable as a man will accomplish more if he can ride rather than walk.

more if he can rice rather than water.
Pennsylvania Standard or Regular Style 4-blade cylinder
25-in. Pony, with wooden rear roller (draw bale only)\$60.00 30-in., with draw bale only
30-in., with seat and shafts 140.00 38-in., with draw bale only 150.00
38-in., with seat and shafts
Pennsylvania Grand Horse Mower (See cut above)
30-inch cut, with draw bale\$130.00
30-inch cut, with seat and shafts
38-inch cut, with draw bale



Champion Sod Cutter

CHAMPION SOD CUTTER

One man and a horse with this machine can cut more and better sod in one hour than 10 men can cut in a day with other methods. Has a Reversible Knife. The sides and bottom are made of one piece of steel, so that there are no openings that can get choked. A roller just over the knife regulates the thickness of the sod from 1 to 2 inches. The back roller works automatically. By holding up the handles and lever, the roller swings under the machine and takes the weight until you are ready to cut again; in cutting, the two rollers take the weight, thus preventing any friction or injury to the grass; the clearer and guide shoes are reversible and can be changed in a moment; the back is left open so that the knife can be cleaned without turning over the machine. Cut the first strip of sod without guide or clearer; then remove the strip about 1 inch to allow guide to run in. Put guide always in front and cleater behind knife where the loose bolts are. Place the guide and clearer always on opposite sides. See that the knife is kept clean; if the sod is very dry, put extra weights on to 200 lbs. For quick work it is not necessary to use guide and clearer; for good work cut and roll the ground well. This is the only sod cutter that will cut both ways; a whole field may be cut without removing any sod. Price, \$52.50. Extra knives for above \$10.00.

Little Giar The Lit scythe for English, 32 English, 32	SCYTHES Little Giant, 32- inch
No. 50. Made	### HANDLES of hard wood, well finished
CARBORUNDYM) LAW FACELEE CHUEK CHUEK CHUEK O G	SCYTHE STONES Each Doz. Waterloo (Talacre Style) . \$0.30 \$3.25 Darby Creek
Lit	atle Giant

SICKLES OR GRASS HOOKS
English Rivet Back, No. 2\$1.10
English Rivet Back, No. 3
English Solid Back No. 2
Little Giant
Dutch or German No. 2
If wanted by parcel post, add 10c. each for postage.

English

FLAT FILES
For sharpening lawn mowers. Add 10c. each for postage.
Each

 8 inch
 \$0.35

 10 inch
 .40

 12 inch
 .50

SPECIAL E ULL LAWN MOWER OIL.

LAWN MOWER OIL

Pure oil that will not gum or get sticky is an essential for the satisfactory operation of every mower. The oil sold by us has been selected with this point in view.

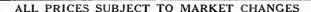
Prices: Per pint, 35c.; 50c. per quart; per ½ gal., 65c.; \$1.00 per gal.; 5 gals., \$4.00.

Lawn Mower Oil cannot be mailed

GEM OIL CANS



For sharpening Lawn Mowers. Price, 20c. per lb. (by mail, 30c.); 10 lbs., \$1.80 (by mail, \$2.05).



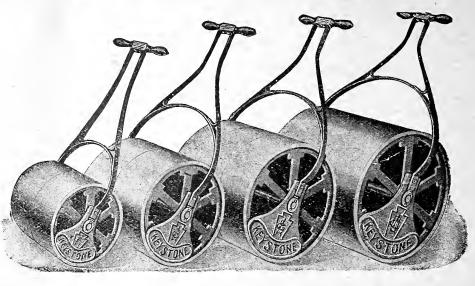
154 MICHELL'S LAWN ROLLERS, ETC.

It is very essential to roll the lawn when the frost is permanently out of the ground, and again several times during the season. A first class roller will prove a good investment, as it will last almost a lifetime, especially if it is put under cover when not in use.

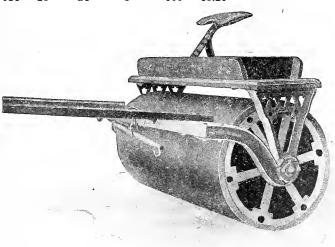
KEYSTONE HAND LAWN ROLLERS

Drums are equipped with five spokes; the face is ground smooth and carefully finished. The steel roller bearings are mechanically constructed making the roller operate so easily a child can handle it. The handle is made of steel and hard wood; is equipped with a balance weight, so that it is always in an upright position. The drum or roller part has a bevel edge so that it cannot tear up the lawn or ground when being turned.

1-		- ",		*** · 1 ·	
	Diam.	Length or	No. of	Weight	
No.	In.	Width In.		Lbs.	Price
501	15	15	2	175	\$18.25
50 2	15	22	3	250	21.75
504	- 20	20	2	250	24.00
507	20	24	2	300	28.75
508	20	30	3	350	33.25
509	24	20	2	400	39,00
511	24	24	3	450	42.50
512	24	30	3	500	48.25
514	28	24	3	500	48.25



Keystone Hand Lawn Rollers



Keystone Horse Roller

KEYSTONE GOLF GROUND AND LAWN HORSE ROLLERS

Made of cast iron carefully finished with beveled edge drums; sizes marked * are equipped with shafts for one horse, the other sizes can be equipped with shafts for one horse or pole for two horses; all sizes are equipped with weight boxes to permit the roller being made to weigh heavier than it is when factory finished.

No.	Diam. Inches	${f Length} \ {f Inches}$	Sections	Weight Lbs.	Price
*341 *342 *344 *345 370	24 24 28 28 20	40 50 40 50	4 5 4 5 5	$800 \\ 950 \\ 1000 \\ 1200 \\ 1150$	\$68.00 78.00 84.00 98.00 95.00
371 372 373 374 375 376	20 24 24 28 28 28	72 60 72 48 60 72	6 5 6 4 5	1300 1450 1700 1350 1650 1950	$110.00 \\ 123.00 \\ 140.00 \\ 112.00 \\ 137.00 \\ 160.00$



Keystone Water Ballast Roller

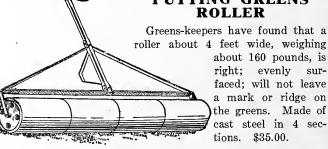
AN INVITATION

On the first floor of 516 Market St. (a very spacious show room), we have established what is probably the best arranged display room for Garden and Farm Tools and Implements—Come and see it.

KEYSTONE WATER-BALLAST ROLLERS

Fill it with water, which will weight it up to any number of pounds desired, as shown below. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings.

	~	PU'	TTING		ENS
No. ti 601	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$	n. In. 4 24 8 24 4 24	Empty 60 85 100 135	water 250 330 440 590	Price \$18.50 22.25 25.75 28.00
. 8	ec- Dia	ım. Length	Weight	Weight filled with	



GARDEN AND LAWN TOOLS

Our house makes a specialty of these, and carries probably the largest assortment in practical styles to be found anywhere; the quality is only the very best obtainable and we can readily say our garden and lawn tools give splendid service.

MICHELL'S LAWN AND GARDEN ACCESSORIES

LAWN BORDER SHEARS

Made of finest American steel. They take the place of edging knives and avoid the necessity of doing much stooping. At the same time while making an attractive finish to the grass edge of a walk or driveway, they cut the grass only, leaving the soil intact; in some respects this is desirable. The shear without wheel works equally as well as the one equipped with wheel, this feature is an item of individual preference only. There is one advantage possessed by this type of shear over the edging knife or trimmer, you can use them equally well,

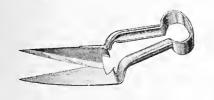
whether or not the soil is Without wheel. No. 1102. 9 inch..\$3.50 No. 1102. 10 inch.. 4.00 With one wheel. No. 1103. 9 inch..\$4.00 No. 1103, 10 inch., 4.25

LAWN BORDER SHEARS

For trimming under shrubbery, fences and other out-of-the-way places. The two wheels permit the shears to move over the ground freely, backward and for-

ward. No. 1104, 9-in. blade,





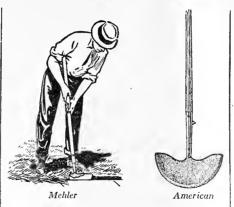
GRASS SHEARS

Do not buy a cheap grass shear, they do not last long, nor do they keep a sharp edge, which is an essential in trimming grass; our list comprises the best makes.

No.		Each
012.	6 inch, American	\$0.50
114.	7 inch, English, trowel	
	shank handle	2.75
113.	7 inch, English, straight	
	handle	2.25
0267.	6 inch, American	1.00
0267:	7 inch, American	1.15
Goody	win Make	1.75

If wanted by parcel post, add 10c. each for postage.

Our Garden Tools and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best of quality.



EDGING KNIVES

For trimming edges of paths, etc. No other implement will put a finish to a grass border, a walk or drive edged with sod like an edging knife; on straight work, it is well to use a garden line so as to make a firstclass job, as nothing in the line of gardening looks so badly as edging in a crooked line

*Equipped with handle. English styles 25c. additional for handles. *Mehler Edging Tool.....\$1.25

TURF OR SOD LIFTERS

At times, it is more desirable to sod a bare or worn out spot on the lawn or grass plot than to sow it with grass seed. Our sod lifters are made of the best steel and will never wear out.



American. A convenient device for lifting sod; used extensively by golf course greenskeepers; steel blade, with an 18-inch steel shank and wood D handle. Price, \$2.00 each.

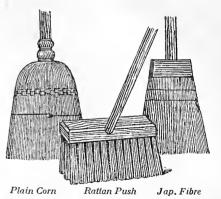


English No. 275. This type is preferred by professional landscape men. Price, \$7.00

IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade is of the best steel, equipped with a convenient handle, so that either? man, woman or child can use it. 50c. each.





BROOMS AND BRUSHES

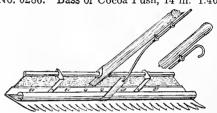
For sweeping paths, gutters, roads, etc.: all with handles.

BROOMS

DICOUNTS	
No. 230. Japanese Fibre	.\$0.90
No. 8. Corn and Rattan mixed	. 1.20
Golf Greens (Birch)	25
No. 7. Plain Corn, extra quality	. 1.00

ROAD BRUSHES

(With Handles) No. 271. Rattan Push, 14 in... No. 0286. Bass or Cocoa Push, 14 in. 1.40



GEM DANDELION RAKE

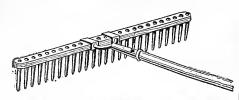
The rake is so constructed that it cuts off the flower heads and buds, preventing further propagation from seed, when the plants themselves will soon die out. The rake is self-cleaning; can also be used for leaves or grass.

No. 1, 16 inches wide\$3.00 each No. 2, 24 inches wide 4.00 each



litter from putting greens and other fine turf playing surfaces. Works on principle of playing surfaces. Works on principle of comb, grass passing freely between fine, flat teeth; casts, etc., gathered and rolled into deepback. Can't injure greens even in hands of unskilled workman; combing action also beneficial to turf in getting up sprangly branches and insuring even cut. Excellent for levelling top dressing. 30½ inches wide; works rapidly; used five years by majority of important golf clubs. Can't get out of order; strongly made to last for years. \$7.50.

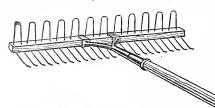
MICHELL'S LAWN AND GARDEN ACCESSORIES



OLE OLSEN LAWN RAKE

Made of best hard wood, well braced; teeth set close together.

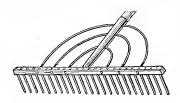
26-tooth, hickory wood. Price, \$1.25.



WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. The rake is reversible. These are excellent for lawn or walk work.

No. Tooth | No. Tooth | 124R 24 . . . \$0.85 | 36LR . . . 36 \$1.50 | No. 342H—42-tooth, very close for cleaning off putting greens, \$1.50.



Ames, No. 37X Rake

WOODEN RAKES

Ames, No. 37X. 24-tooth, steel bows. \$1.40 Ames, No. 30X. 14-tooth, hard wood. 1.20 Wire Braced. 20-tooth, lawn...... .85



AUTOMATIC LAWN RAKE

A backward motion of the operator clears all the teeth at once.

Wood, 26-tooth \$1.50 | Wood, 38-tooth \$1.85 Galvanized, 24-tooth \$1.75



STEEL GARDEN RAKES

Made of best cast	steel, with long teeth.
No. Tooth	No. Tooth
No. Tooth 6\$0.85	1414\$1.05
8 8 .90	16 16 1.10
1010	
12 12 1.00	



JAPANESE BROOM RAKE

An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though swept with a broom. In fact to get the best results it should be used with the motion of a broom. Made of split bamboo, rigidly secured, with a suitable length handle. Just the thing for cleaning grass clippings from walks and flower beds and borders, and from the lawn.

Price, \$1.00 each; 6 for \$5.50; \$10.00 per doz., shipment to one address.



STEEL GRAVEL RAKES

These rakes are used for road making and for paths; having short teeth they do not gather up stones or gravel.

No. Tooth §1.10	No. Tooth
G1212\$1.10	G1616\$1.30
G1414 1.15	G1818 1.40
G2020-too	oth\$1.50



STEEL BOW RAKES

Preferred by many to the regular garden rake, the teeth being slightly bent toward the operator.

No. Tooth	No. Tooth B14\$1.20
B12\$1.10	B14\$1.20
B1616-t	ooth \$1.30

HOE AND RAKE (Combined)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

No. 4P. 4-prong..\$1.00 No. 6P. 6-prong.. 1.10

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

DOCK LIFTER

For field and farm use; 'will uproot the deepest seated weed or dock; has tremendous leverage. Made of wrought iron and oak wood; no wear out to it. Price, \$4.00.

(Not Mailable.)



MARKING RAKE

Has a spread of $4\frac{1}{2}$ ft.; equipped with five adjustable brass teeth; no better method of row marking can be employed; suited for setting Lifter plants or sowing seed. The frame and handle are oak; no wear out to it. Price, \$7.00.

(Not Mailable.)

Extra Teeth for same. Price, 70c. (by mail, 80c).

MEHLER HANDY HOE

This will do what any halfmoon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price. \$1.50.

Please note.-Mehler Garden Tools cannot be sent by Parcel Post.





MEHLER GARDENER

An entirely distinct tool. Avoids bending the back. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flowers and vegetable plants. \$1.50 each. Not. mailable.



SOUARE HOES

No. G06.	6-inch, solid shank	\$1.10
No. G07.	7-inch, solid shank	1.15
No. G08.	8-inch, solid shank	1.15
No. 10.	10-inch, for celery	1.75
No. K14½.	14-inch, for celery	

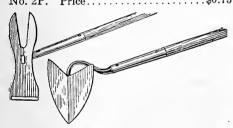


No. HM3.	3-inch\$0.95
No. HM4.	4-inch
No. HM5.	5-inch 1.10
No. HM6.	6-inch 1.10
No. HM7.	7-inch 1.15
No. HM8.	8-inch

TWO-PRONG ONION HOE

Will be found very valuable in weeding in narrow rows. (See cut below.)

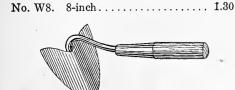
No. 2P. Price......\$0.75



WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The backs can be used for covering. (See cut above.)

No. W7. 7-inch.................................\$1.20



BABY WARREN HOE

No. BW4½. Short Handle, 70c.



SPECIAL STEEL WEEDING HOE

No. 3W. Short Handle, 55c.

SCUFFLE HOES



Made of	best steel.	
5-inch	\$1	.10
6-inch	1.	.20
7-inch	1.	.25
8-inch	1.	.20
10-in c h	1.	40
Handles	for Scut	ffle



MICHELL'S FIELD HOE

Hoes, 25c, each, extra.

For digging up stubble, small stumps, small plots of ground

for planting purposes, etc.	
$5\frac{1}{2}$ -inch blade, each	 .\$1.00
7-inch blade, extra heavy, each	 . 1.10



TRANSPLANT-ING HOE

No. 41. Used for setting out tomato, egg plants and other plants. Avoids kneeling when planting. Made of best steel. Price. \$1.20.



SHOVELS

Long Handle

Ames, round point	2.50
Maynard, round point	2.50
Maynard, square point	2.50
Portage City, round point	2.25
Portage City, square point	2.25

Short Handle

Ames, round point	\$2.50
Ames, square point	2.50
Maynard, round point	2.50
Maynard, square point	2.50
Portage City, round point	2.25
Portage City, square point	2.25



STEEL SCOOP SHOVELS

Strap	ped	shanks	s, wood I	or shor	t han	dles.	S
No. 1.							
No. 2.	10	-inch	mouth.			1.60	F
No. 3. No. 4.	11	-inch	mouth.			1.75	S
No. 4.	$11\frac{1}{2}$	∕₂-inch	$\mathbf{mouth}.$			1.80	B
No. 5.	12	-inch	mouth.			1.90	P
No. 6.	13	'-inch	mouth.			2.00	1



Michell's Special Spade

STEEL SPADES

Ames, short handle \$2.	50
Maynard, short handle	50
Michell's Special, short handle 1.	25
Nursery (Pfeiffers), short handle 3.	00
Portage City, short handle 2.	25
Boys'	50



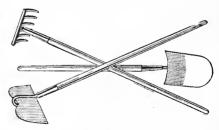
WIRE SCOOP SHOVEL

For handling potatoes, turnips and root crops without bruising or cutting. Made of heavy steel wire......\$2.75



SNOW SHOVELS

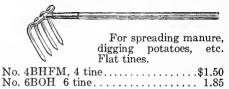
	Adams, wood, D handles\$1.25
I	Phillips, wood, long handle. \cdot 1.25
j	Owosso, galvanized (see cut) 1.75



GARDEN TOOL SET

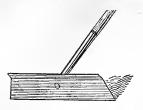
For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$2.00.

MANURE DRAGS



IMPLÉMENT HANDLES

MICHELL'S FARM AND GARDEN TOOLS



MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.25.



SPADING FORKS

Strapped shanks, short or D-wood handle.
Made of best quality steel.
No. OHW. Men's 4-tine\$2.25
No. O5HW. Men's 5-tine 2.75
No. B4D. Boys' or Ladies 4-tine 1.10

ENGLISH DIGGING FORK, No. ED4

Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of round edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. 4-tine, \$2.75 each.



MANURE FORKS

Stranned Shanks.

	~	or appearance.	
04W4	tine,	light, short handle	\$2.25
163 - 4	tine,	heavy, short handle	2.50
		medium, short handle	
		medium, short handle	
$044\frac{1}{2}$ -4	tine,	long handle	1.75
$054\frac{1}{2}$ -5	tine,	long handle	2.00



EXCELSIOR WEEDING FORK

No. 300. Made of malleable steel, finished in tin, 15c. (by mail, 20c.).



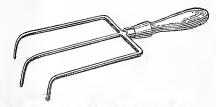
EXCELSIOR WEEDER

Made of malleable iron, finished in tin, 15c. (by mail, 20c.).



EUREKA WEEDING FORK

Letter G. Made of best flexible steel; splendid for loosening soil in the garden, in hotbeds, etc., 50c. (by mail, 60c.).



EUREKA WEEDER No. 6

Letter E. Made of flexible steel; very light, an ideal tool for market gardeners, florists and amateurs 50c. (by mail, 60c.).



HAZELTINE WEEDER

No. Bw1, 40c. (by mail, 45c.).



MAGIC WEEDER

Made of heavy galvanized flexible wire with flattened prongs or ends. Letter A. Short Handle, Small.....\$0.20



MAKEFIELD WEEDER

A splendid little tool for weeding in the garden seed bed, greenhouse or hotbed; made of fine tool steel, it can be sharpened easily and does not become dull readily; with it you can work closer to seedlings than with any other tool we know of. 50c. each (by



JOHNSON STEEL TROWELS, No. 211

These are made of one piece steel blade and shank, equal to the imported trowels. 5 in.....\$0.75 | 7 in.....\$0.85

If wanted by parcel post add 10c. each for



D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade, 85c. each (by mail, 95c.).



CLEVES' ANGLE TROWEL, No. 217

For getting dandelion, plaintain and other weeds out of the lawn, and transplanting.

													Each	P.Post
														Each
5	inch.												\$0.30	\$0.40
6	inch.								÷				.35	.45
7	inch.												.40	.50



TRANSPLANTING TROWEL

Steel shank and blade. 75c. (by mail, 85c.).

MISCELLANEOUS TROWELS

Each Mail No. 213—5 inch.....\$0.25 No. 213—6 inch.....30 \$0.30 No. 0. Neverbreak-6 inch, heavy steel. 25 .35

DIBBLES

For Planting Bulbs, Etc.

Equipped with wooden handles.

No. 2180. Brass point, \$1.00 (by mail, \$1.10).

No. 218. Iron point, 75c. (by mail,

GERMAIN AUTOMA-TIC LAWN WEEDER

(See cut to left) This weeder will kick out all weeds that a lawn may be infested with. Grasp the handle firmly, put point of weeder against weed, place foot against the foot rest, pull handle towards you, using foot as a pivot and the weeder will automatically kick the weed out. Nothing to get

out of order. Price, \$1.75 each.

MICHELL'S FARM AND GARDEN TOOLS

POSTHOLE DIGGERS



No. 8. This bores a hole 3½ ft. deep and can be adjusted in diameter from 8 to 14 inches. \$6.00.

No. 15. Eureka. \$2.50.

Post Hole Spade

All steel with either point or tamper end. \$2.50.



AXES

Plumb Make, medium, man's size. made of best quality steel \$2.75



STEEL HAMMERS

No. 011½ Pexto, \$1.10 (by mail, \$1.20).



HATCHETS

Made of the best quality tool steel, that will keep an edge. Plumb, \$1.75 (by mail, \$1.85.)





PEXTO SCREW DRIVERS

4-in. blade....\$0.50 | 7-in. blade...\$0.75 5-in. blade....60 | 10-in. blade... 1.00 If wanted by Parcel Post add 10c. each for postage.

HUSKING PINS



No. 16. Combination; leather and metal, 15c. (by mail, 20c.).



No. 16

CORN KNIFE

No. 15

Little Giant. Made of high grade steel, oil tempered; polished on one side; tang extends through oval wood handle. Price, 75c. (by mail, 85c.).

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the postage charges opposite. Where remittance accompanies order please include sufficient to cover mailing charges.

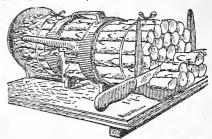


(by mail, \$1.45). Medium, Single, \$2.10 (by mail, \$2.15). Large, Double, \$3.75 (by mail, \$3.95). Large, Single, \$3.00 (by mail, \$3.15).

GARDEN LINE

Best quality white cotton braid, woven closely.

By Mail Each Each\$1.75\$1.85 100 ft. hanks..... Plow Line Cotton, 45-ft. hanks. .60



Single Garden Reel

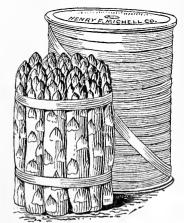
ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$3.75 (by mail, \$4.00).



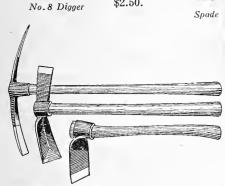
ASPARAGUS KNIVES

		Ву	Mail
		Each	Each
Fig. 110, No.	1	\$0.65	0.75
Fig. 110, No.	3	65	.75
Fig. 110, No.	31		.75



ASPARAGUS TAPE

In fast colors, green and red, glazed finish. 1000-yard spools, per spool, \$5.25 (by mail, \$5.40).



PICKS (Price includes Handle) All steel, Double point, \$1.25.

MATTOCKS

(Price includes Handle) Axe, pointed.....\$1.50



TREE SCRAPER

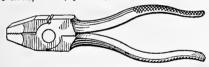
For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handle, 75c. (by mail, 85c.).

TREE OR BARK BRUSHES

For brushing down trees for removing insects, borers, etc. Made of steel. Price, 8½-inch, 60c. (by mail, 70c.).

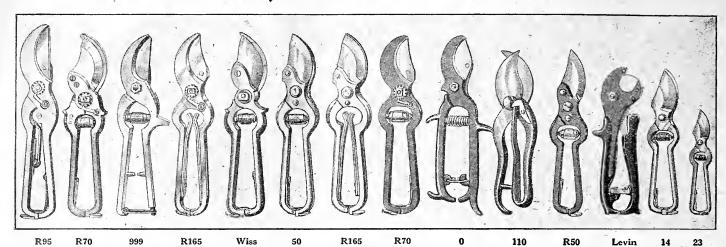


MONKEY WRENCHES
For machinery. Made of first quality hard steel; 8-inch, 75c. (by mail, 85c.); 10-inch, 85c. (by mail, 95c.).



STEEL PLIERS

By Mail Each Each Side cutting, 6 in....\$1.25 Side cutting, 7 in.... 1.50 \$1.35 1.60



PRUNING SHEARS

Our pruning shears are procured from the most reliable makers and all are fully guar-

anteeu.			
No.	Leng	th	Each
110 Perfection	. 8 ີ	in.	\$3.00
50 Pexto		in.	1.10
R 50 Pexto	. 9	in.	1.40
55 Pexto	. 9	in.	1.65
R 95 Pexto		in.	4.00
109 Wiss	. 8	in.	3.50
65 Pexto American		in.	1.75
R165 Pexto American		in.	2.50
R 70 Pexto American		in.	2.00
23 Henckel		in.	1.75
23 Henckel			2.00
14 Nickeled	$6\frac{1}{2}$	in.	1.75
0 Pexto			.65
1586 French		in.	2.75
1586 French			3.25
If wanted by Parcel Post			
for postage.	.,		

Spiral Springs for any of the above Pruning Shears. 20c. each; per doz., \$1.75 (by mail, \$1.85).

LEVIN PRUNER No. 23

The handle of these shears affords a great deal of leverage, which makes very easy cutting possible. Price, 90c (by mail, \$1.10).



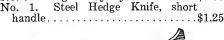
BRUSH OR BRIAR HOOK

No. 43.	Steel	cutting	blade;	long	han-
dle.	Price.				\$0.75



STEEL HEDGE KNIFE

For cutting heavy brush, shrubbery, hedges, etc. Made of the finest steel with No. 0. Large heavy style......\$5.00 No. 1. Steel Hadge Wrift

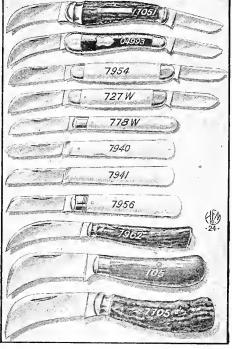




ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees,

Short Handle, \$3.00 (by mail, \$3.15). Long Handle, \$3.50 (by mail, \$3.70).





A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to give good satisfaction.

WOSTENHOLM ENGLISH

No.	Each
7705	Pruning, 1 blade, stag handle,
	extra heavy\$2.75
7940	Budding, 1 blade, white handle 2.75
7941	Budding, 1 blade, white handle 2.75
7954	Budding, 2 blade, white handle 3.00
7956	Budding, 1 blade, white handle 3.25
7962	Pruning, 1 blade, stag handle. 2.50
17051	Pruning, 2 blades, stag handle 3.00
	5, 510g Hamaio 5100

AMERICAN MAKE

Pruning, 1	blade	cocoa han	dle 1.10	
Budding,	2 b	lades, wh	ite	١
handle.			1.35	ı
Budding, 1	blade	, white han	dle 1.15	ı
Budding	and	Pruning,	2	l
	Budding, handle. Budding,1	Budding, 2 b handle Budding,1blade	Budding, 2 blades, wh handle	Pruning, 1 blade, cocoa handle 1.10 Budding, 2 blades, white handle 1.35 Budding, 1 blade, white handle 1.15 Budding and Pruning, 2

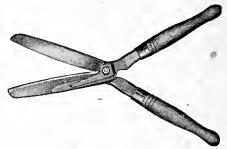


HEDGE SHEARS

No. 101A	Amer. $6\frac{1}{2}$ -inch, Ladies'\$1.65	
101A	8-inch	
101A	9-inch	3.75
101A	10-inch	4.50
101A	12-inch 3.75	

If wanted by Parcel Post, add 15c. each for postage.

Bolts and Nuts for hedge shears, 30c. Handles for Hedge Shears, 85c. per pair.



YEAKLE HEDGE SHEAR

These shears will not push the hedge forward but will hold it and cut it at once. They also have a tension spring to keep the blades together, consequently need little or no attention, as the spring has a tendency to keep them sharp. Price, \$6.75 (by mail, \$6.90).



LEATHER PRUNING **GLOVES**

No. 216. Horsehide, with gauntlets, lined......\$2.00 No. 66. Horsehide, with gauntlets, not lined..... No. 62. Buckskin, with gauntlets, not If wanted by Parcel Post, add 10c. per blades, ebony or stag handle 1.40 pair for postage.



Showing how the Little Wonder Hedge Trimmer works in a vertical position

LITTLE WONDER HEDGE TRIMMER

This machine is built along the most This machine is built along the most practical lines mechanically, and of the very best materials; weight 16 lbs. When the knives require sharpening, do not grind, use a carborundum stone which accompanies each machine. This trimmer is designed only for trimming back the new growth of hedge during the summer months; it is not intended for cutting back old wood growth; the machine is equipped with a wide web strap for supporting it from the shoulder when in use. The cutting knife runs backward or forward through a knife guard and is operated by turning a wheel. Price, 40 in. cut. \$30.00.

Little Wonder, Jr. Price, 30 in. cut, \$25.00.

WATERS TREE PRUNERS

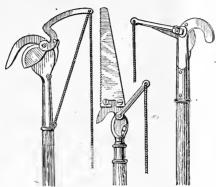


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coi	mp	let	e.									
4	fe	et.							. 8	\$2	.5	0
		et.								3	.0	0
8	fe	et.								3	.2	5
10	fe	et.								3	.50	0
		et.										
14	fe	et.								4	.2	5
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Pruners are equipped

With removable cut-

with poles. Waters Pruners are not mailable. Poles for Tree Pruners
12 feet long, $1\frac{1}{4}$ inch diameter \$2.75
14 feet long, $1\frac{1}{2}$ inch diameter 3.00



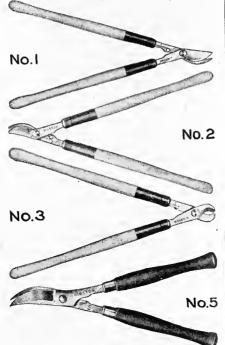
Disston's Little Giant With Saw Disston's Little Telegraph

TREE PRUNERS

Disston's Little Giant. Pruner....\$2.25 Disston's Little Giant. With saw attachment. If wanted by Parcel Post, add 15c, each for postage. Prices are for Pruner without rope or pole.

TELEGRAPH TREE **PRUNERS**

Removable blade, which can be renewed when worn out for 30c. Price, plain, without pole, \$2.25. (By mail, \$2.35.)



LOPPING SHEARS

No. 1. Disston Lopping. Polished hardwood handle, 27½ inches long; heavy ferrule; heavy blades for heavy work; new tension and positive adjustment; weight, 3½ lbs. Price, \$3.00. (By mail, \$3.15.)

No. 2. Disston Vine Lopping. Details same as above, excepting it is made

same as above, excepting it is made slightly lighter for smaller work; weight 3 lbs. Price, \$2.75. (By mail, \$2.85.)

No. 3. Disston Bull Dog Lopping. Both jaws curved and both cutting jaws; weight 3½ lbs. Price, \$2.75. (By mail, \$2.85.)

No. 5. Disston Utility Lopping. 9-inch black handles; full polish, 3½-inch blades; weight 1½ lbs. Price, \$2.25. (By mail, \$2.85.)

Disston No. 8D. 26-inch blade\$3.50

Disston No. 8D. (Rip) 28-inch blade\$4.00



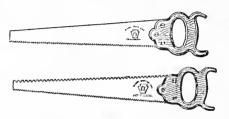
RHODES LOPPING SHEAR

Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. The easiest operating Lopping Shear ever made or sold. 24-inch and 28-inch handles. Price, \$5.00. (By mail, \$5.15.)



ENGLISH LOPPING SHEAR

No. 109. Made of the finest English steel; 4-inch cut; will sever heavy branches readily. Price, \$6.75. (by mail, \$6.90.)



DISSTON PRUNING SAWS

No. 4	18-inch.	Double edge \$1.75						
No. 4	20-inch.	Double edge 1.90						
No. 7	16-inch.	Single edge 1.60						
No. 7	18-inch.	Single edge 1.70						
No. 7	20-inch.	Single edge $\dots 1.80$						
No. 7	22-inch.	Single edge 1.90						
15-inch. California Pattern. Crescent								

shaped blade..... 1.25 If wanted by Parcel Post, add 10c. each for postage.



CROSS CUT LOG SAWS

Disston Make

Keystone No. 3, one-man, 3½ ft. blade.\$3.75 Gt. American, two-man, 5 ft. blade . . . 5.75



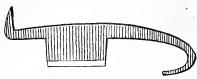
\$2.35.)

MICHELL'S FARM AND GARDEN ACCESSORIES



GRAFTING WAX

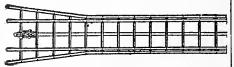
 $\frac{1}{4}$ lb., 15c.; 25c. per $\frac{1}{2}$ lb.; 1 lb., 45c. (by mail, 55c.).



GRAFTING TOOL

Made of the best steel. For grafting trees, etc.

All steel. \$1.00 (by mail, \$1.10).



EXTENSION LADDERS

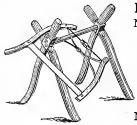
These are made in the best manner possible; are complete, being equipped with the necessary rope and pulleys.

10 f + 1 70 -	26 feet 28 feet	1 C+
20 feet per ft.	30 feet	
22 feet	32 feet	80c.
24 feet	34 feet	íper ft.

SINGLE PLANK LADDERS

STEP LADDERS

Gem. 4 ft. to 10 ft., 65c. per foot.



BUCK SAW

No. 50. Each.\$1.50

SAW-HORSE or WOOD BUCK

No. 2. Each. \$0.75

BALL CELERY BLEACHER

A practical, inexpensive device for bleaching celery early; made of stiff, heavy paper. If the tubes are to be left on the plants all winter and the soil drawn around them, you get celery clean and sweet.

No. 1, 6 x 12 inch. Per 50, \$1.75 (by mail, \$1.90); \$3.00 per 100 (by mail, \$3.20); per 1000, \$26.00.

No. 2, 6½ x 13 inch. Per 50, \$2.25 (by mail, \$2.40); \$3.75 per 100 (by mail, \$4.00); per 1000 \$32.00

per 1000, \$32.00. No. 3, 7 x 14 inch. Per 50, \$2.50 (by mail, \$2.70); \$4.00 per 100 (by mail, \$4.35); per 1000, \$35.00.

BALL CELERY HANDLER

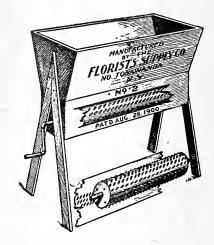
Brass, \$3.50 each. Tin, \$1.75 each.

MAN O'WAR WINDMILL



An interesting feature for the children's garden,although they are equally practicable for the grown-ups. Theyrevolve withtheleast puff of wind, and on account of their looks they serve as a scarecrow for undesir-

able birds or animals. They can be fastened to any tree, post, house or wash line pole. Height, 15 in., \$1.50 each (by mail, \$1.60).

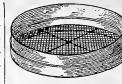


SOIL PULVERIZER

The machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding necessity to sift.

No.	Length	\mathbf{Width}	Height	Price
1	25 in.	20 in.	40 in.	\$25.00
2	46 in.	20 in.	40 in.	35.00
3	46 in.	20 in.	40 in.	45.00

The No. 3 size has an extra roll.



SIEVES

(Any Size Mesh)
Made extra well.

Mail
Each Each
...\$1.55

20-inch Steel (Heavy) \$1.55 20-inch Galvanized wire 1.55 \$1.75



For soil, gravel, sand, etc. Made in any size mesh, of extra heavy grade foundry wire. \$13.50 each.

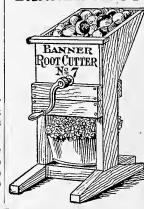


OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

	,,,,	٠.	01.	 •		,,,	•	•	•	•	٠.	 •	В	v Mail
														Each
														\$0.15
Rat.					٠.		•					 	.20	.35

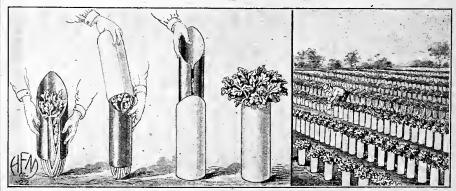
BANNER ROOT CUTTERS



Roots of vegetables cut up fine take the place of grass and greens during the winter months.

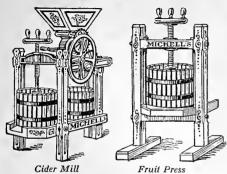
No. 7. For poultry, sheep and lambs, \$6.50.
No. 16. Medium size, \$22.50.
No. 35. Large size, \$30.00.
If pulley is

If pulley is wanted on Nos. 16 and 35, add \$1.50.



Ball Celery Bleacher

MICHELL'S FARM AND GARDEN ACCESSORIES



CIDER MILLS

	Capacity	Price
Bantam, 1 single tub	. ½ bu.	\$25.00
Junior		30.00
Medium	3/4 "	35.00
Senior	11/4 "	48.00

FRUIT PRESSES

 Made of best quality wood, carefully bolted and finished.
 Price

 No.
 Capacity
 Price

 1
 ½ bu.
 \$8.00

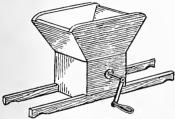
 2
 ½ "
 9.00

 3
 1 . "
 13.50

KEGS

Very heavy

5-gal. cap....\$2.75 | 10-gal. cap....\$3.00



GRAPE GRINDER



GRAPE PROTECTING BAGS

Thousands of bunches of grapes are wasted annually because they are not protected against the ravages of insects, birds, etc. Michell's Improved Grape Bags are economical, easily attached and last a season. The fruit ripens just as readily in them as it does in the open. The bags should be attached when the grapes are the size of a pea prior to which it is suggested that they be sprayed (even though not affected) against blight or fungus; the bags should be left attached until the fruit is ready to harvest. If desired by mail please add to the prices below as noted.

									TOO 3	r.rost	1000
									ŗ	er 100	
2	lb.	size	 					.\$	$0.60^{}$	\$0.70	\$5.00
3	lb.	size							.70	.80	5.75
4	lb.	size							.75	.85	6.50



JUICY FRUIT PRESS

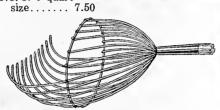
A very valuable press for making jellies, Fruit Syrups, Lard, etc. All parts coming in contact with fruit juices are tinned with pure block tin. Base and feet cast as one piece. Price, \$8.50.

PRESTO FRUIT PRESS

Used for extracting juices from Berries, and other Fruits. Made entirely of iron and steel; all parts heavily tinned.
No. 1. 3 quart

size......\$4.00 No. 2. 6 quart size...... 6.50 No. 3. 9 quart

40.00



BOSS FRUIT PICKER

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 40c. (By mail, 50c.)

MASTERS FRUIT PICKER

Equipped with an attachment for a pole and holding bag; a very desirable type, that will not bruise the fruit. Price, \$1.50. (By mail. \$1.65.)

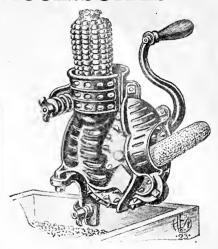


WATER SEAL CANNER

Put up your own Vegetables and Fruits with an Improved Water Seal Canner. It gives the necessary rapid application of heat, and maintains it uniformly as long as required. Insures canned fruits and vegetables that retain their natural color, delicious flavor, rich food value and firmness. Strongly built of galvanized iron, with brass fittings. The Water Seal Canner is portable and adapted to kitchen stove, gas range or open fireplace.

No. 1. Capacity, 13 one-quart glass jars, or 17 three-pound cans, \$12.50 each.

No. 7. Capacity, seven one-quart glass jars or 10 one-pint glass jars, \$7.00 each.

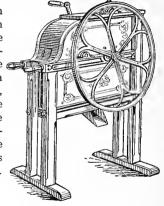


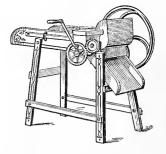
BLACK HAWK CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing; suitable for fastening to a bench, box, etc., for shelling small quantities of corn. \$3.25 each.

PENNA. CORN SHELLER No. 3

Useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out another.





HAY AND FEED CUTTER

For cutting hay, ensilage, etc.

Triumph. Double knife......\$17.50

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

MICHELL'S LAWN, GARDEN AND FARM ACCESSORIES



GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak, with double collapsible handles; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.10.



GARDEN **BASKETS**

No. 2, Stiff Handle

	Each								
½ Bu	\$1.00								
No. 3, I	Orop								
Handle									
	Each								
½ Bu	\$1.00								
No. 4, Wi	thout								
Handle									
	Each								
½ Bu	\$0.85								
i i n	1 10								



SPLIT OR CHIP BASKETS

Without Har	ndles	With Handles					
Each	Doz.	Each	Doz.				
⅓ bu\$0.15		$\frac{1}{4}$ bu \$0.15	\$1.60				
⅓ bu20		$\frac{1}{2}$ bu					
¾ bu30		3/4 bu30					
1 bu	4.00	1 bu	4.50				



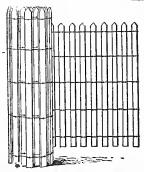
BERRY BOXES

	100	1000
1 qt	. \$1.50	\$12.00
1 pt	. 1.35	11.00

WOOD **MEASURES**

½ peck	\$0.60
½ peck	.65
1 peck	75
½ bushel	1.25
1 bushel	3.00





CEDAR PICKET FENCING

See description and price opposite column.

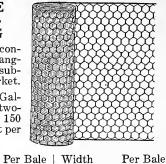
NET-TING

Price is constantly chang-ing and is subject to market.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.

30 inches..... 7.32

36 inches..... 8.37



72 inches....15.60

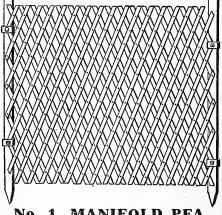
Per Bale	Width	Per Bale
\$1.68	42 inches	\$4.88
2.40	48 inches	5.58
3.00	60 inches	6. 88
3.68	72 inches	8 . 37
galvanized	, one-inch	mesh, 150
et per bale.		
	Width	Per Bale
\$3.36	42 inches	3\$9.75
4.80	48 inches	s 11 . 15
6.00	60 inches	s13.00
	Per Bale\$1.68 2.40 3.00 3.68 4.19 galvanized et per bale. Per Bale \$3.36 4.80 6.00	\$1.68 42 inches \$2.40 48 inches \$3.00 60 inches \$4.19 72 inches galvanized, one-inches et per bale. Per Bale Width \$3.36 42 inches \$4.80 48 inches

STAPLES

3/4 inch, for fastening netting, 15c. per lb.

CUT WIRE NETTING

We can furnish this in both 1- and 2-inch mesh, in units of 25-ft., 50-ft., 75-ft., 100-ft. and 125-ft. lengths. 1-inch mesh at 4c. per square ft.; 2-inch mesh at 2c. per square ft.



No. 1, MANIFOLD PEA TRELLIS (Wood)

The ideal arrangement for garden and sweet peas. When fully opened it makes a trellis 19 feet long, and this is varied according to the height desired. Positively the best thing of its kind that has ever come to our notice. It can be set up in 5 minutes and taken down in less; folds together so that it occupies very little storage space. Very desirable also as a trellis for training vines on. Complete ready to put up; stained green, \$3.00 each; doz., \$32.50.

CEDAR PICKET FENCING

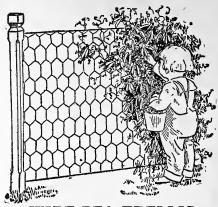
This is tailor-made compared to the ordinary ready-made fencing. Will wear for years without paint. Readily put up and saves time, labor and expense of fence building. Far ahead of and will outwear the old style wire fence by many years. Rolls of 50, 75 and 100 feet only.

3 ft. high, with 4 galvanized steel double wire cables, 14c. per running foot.

4 ft. high, with 5 galvanized steel double wire cables, 16c. per running foot.

5 ft. high, with 6 galvanized steel double wire cables, 21c. per running foot.

See illustration, opposite column.



WIRE PEA TRELLIS

Does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10-foot sections, with 3 suitable 51/2-foot stakes for fastening in the ground. \$1.75 each.



TÕMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit. Model (Wire). Each, 35c.; doz., \$3.50; \$24.00 per 100.

ADJUSTO PLANT SUPPORT

Indispensable for Roses, Dahlias, Tomato and other plants.

The "Adjusto" Plant Support is a marvel

for simplicity and efficiency. It consists of two parts, an oak stake pointed at the bottom and painted green, and a hoop of the toughest wire, also painted green to prevent rust.

It contains no nails, hooks, or screws. It holds securely any flower or plant and can be adjusted to any height to conform with the plant's growth.



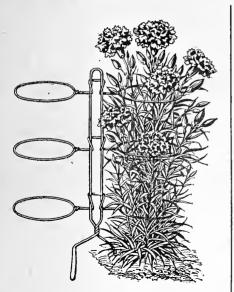
Plants thrive when supported by the "Adjusto" and are sure to bear more beautiful blossoms and perfect fruit.

A permanent equipment which can be used year after year.

Height Each Doz. 18 inch .\$0.10 \$0.85 24inch. .12 1.00 3feet: .20 2.00 4feet. .25 2.50 5feet. .30 3.00 6feet. 3.50

.35 (oc)

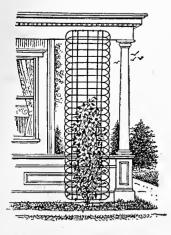
MICHELL'S HORTICULTURAL AND GARDEN SUPPLIES



CARNATION SUPPORTS

The Richmond shown is the most popular support on the market. Can be put together in a minute and is always satisfactory; 24 inches high.

Doz. \$1.50	Richmond, double 100 \$7.50	1000 \$67.50	
Doz. \$1.00	Model, 2 ring 100 \$6.50	1000 \$57.50	
Doz. \$1.25	Model, 3 ring 100 \$7.00	1000 \$65.00	

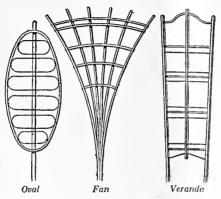


CONTINUOUS WIRE **TRELLIS**

Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 165 running feet.

18 in. wide, less than 165 ft. roll, 14c. per ft. 18 in. wide, in roll lots, 165 ft., 11c. per ft. 24 in. wide, less than 165 ft. roll, 15c. per ft. 24 in. wide, in roll lots, 165 ft., 13c. per ft.



VERANDA TRELLIS

Made of w	ood and pa	inted green.	
2 feet	\$0.90	4 feet	\$1.50
3 feet		5 feet, heavy	2.25

FAN TRELLIS

Made of wood and painted green.

18	inch	.\$0.40	36 inch	.\$1.35
24	inch	50	42 inch 48 inch	. 1.45
30	inch	75	48 inch	. 2.00

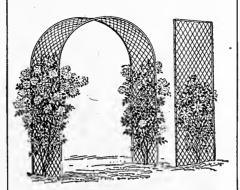
OVAL TRELLIS

	Made	of	W	70	00	ł	a	n	d	l	p	a	iı	11	te	c	l	g	r	e	e	n			
24	l inch,							•						•	-									. \$0.6	0

LATTICE TRELLIS

Made of wood and painted green.

	18 in. wide	24 in. wide
6 feet	\$2.50	\$3.25
7 feet	3.00	3.75
8 feet	3.25	4.25
9 feet	3.50	4.50
10 feet	4.00	5.00
12-feet	4.50	6.00



GALVANIZED WIRE WORK

This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually several weeks in which to complete orders for this. 45c. per sq. ft. on pieces aggregating 10 sq. ft. or over; less than 10 sq. ft. pieces, 50c. per sq. ft.

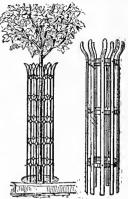
HAWKEYE TREE PROTECTOR

Protects trees from destructive rabbits, mice. borers and cut worms. from cultivator bruises and skinning. Quick and easy to attach-wrap this chemically treated protector around the tree and tie at top and bottom. It will last for years. Standard size, 10 in. wide: 20 in. high.

50c. per doz.: per 100. \$2.25; \$18.00 per 1000.







Lattice Trellis

Wire Guard Iron Guard

TREE GUARDS

Galvanized Wire. Carefully made of heavy material and finished in a neat and substantial manner. 12 in. diam., \$2.50; 9 in. diam., \$2.25 each.

No. 4 Iron. Made of flat iron, finished black; will last indefinitely with an occasional painting. \$3.75 each.

Phila. Official Tree Guard. Made of

heavy round iron. \$6.50 each.

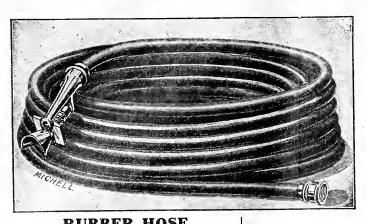


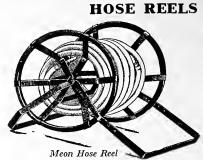
FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 165 running feet. Less than 165 ft. roll, 12c. per ft. 18 in.

In roll lots, 165 ft., 10c. per ft. Less than 165 ft. roll, 13c. per ft. 18 in. 24 in.

In roll lots, 165 ft., 12c. per ft. 24 in.





Meon. Made entirely of steel; very strong; easy to operate, the reel acting both for winding and wheeling.

90 ft. capacity......\$3.25 No. A1. No. A2. 130 ft. No. A3. 180 ft.

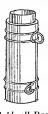


Victor Reel

KUBBEK NUSE
Per Foot
*Michell's Special, ½ inch\$0.15
*Michell's Special, ¼ inch
*Michell's Magic. A splendid smooth
finish, red hose; $\frac{3}{4}$ inch
*Michell's Akron. Flexible, durable,
unkinkable, $\frac{3}{4}$ inch
*Electric, 3/4 inch
*Electric, ½ inch
*Whip-Cord, 3/4 inch
*Evergreen, 3/4 in
Spray Pump Hose, 38 inch
P. S.—Brands marked * come in reels of
500 feet and sections in any length to that
number of feet may be had.
25- and 50-foot sections of hose coupled
from Smaller sections coupled at the rate of

free. Smaller sections 35c. per pair for couplings.

Hose Washers. 34 inch, 8c. per doz.; 1/4 lb., 25c.; 75c. per lb. (by mail, 85c.). 1 inch, 8c. per doz.; 1/4 lb., 30c.; \$1.00 per lb. (by mail, \$1.10).



Caldwell Band as applied to Hose

HOSE BANDS

For fastening couplings and menders.

CALDWELL'S Doz. Gross gross for postage.

SURE GRIP

Can be furnished in 1/2-inch, 5/8-inch and 3/4-inch, either size, 5c. each; doz., 45c. (by mail, 55c.). HYDRANT



ATTACH-**MENTS**

For attaching hose to smooth faucets. No. 2. For small spigot, 60c. (by mail, 65c.).

No. 3. For large or standard spigot, 65c. (by mail, 70c.).

HOSE REDUCERS

For reducing 1-in. pipe to fit regular 3/4-in. hose. Each, 70c. (by mail, 80c.).



Cooper Hose Mender

HOSE MENDERS

	Eacn	Doz.
Cooper's 3/4-inch	\$0.12	\$1.15
Cooper's %-inch	.12	1.15
Cooper's 78-inch	.12	1.15
Cooper's ½-inch	.10	1.00
Iron, ¾-inch		
If wanted by parcel post, add	10c. p	er doz.
for postage.		

PERFECT HOSE MENDER



Made entirely of brass, with swivel motion-No band required.

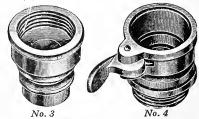
For 1/2-inch and 3/4inch hose, 15c. each;

doz., \$1.50 (by mail, \$1.60).



Pair \$0.25 .25\$2.25 2.25Plain Brass.......34 inch If wanted by parcel post, add 15c. per doz. for postage.

Perfect. Equipped with a clamp on the male and female part for securing to the hose; no band required; for ½- and ¾-inch hose; mention which is wanted when ordering. 38 mail, \$3.90). 35c. per pair; doz., \$3.75 (by

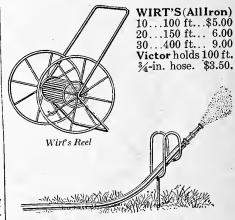


ACME HOSE COUPLINGS

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00 (by mail, \$3.10).

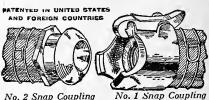
No. 4 part, for attaching to hose, 50c. each: doz., \$5.00 (by mail, \$5.10).

Couplings complete, consisting of one No. 3 and one No. 4 part, 80c. each; per doz., \$8.00 (by mail, \$8.15).



NOZZLE HOLDER

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 20c. each (by mail, 25c.).



No. 2 Snap Coupling

SNAP HOSE COUPLINGS

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 35c. per pair; doz. pairs, \$3.75 (by mail, \$3.85). Washers, 25c. per doz.

SNAP COUPLING PARTS

No. 2. Male. 15c. each; per doz., \$1.50 (by mail, \$1.60). No. 1. Female. 25c. each; per doz., \$2.50 (by mail, \$2.60).

No. 68 SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 85c. each (by mail, 95c.).

BINKS NOZZLE

Made of aluminum, with brass face; equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively



the hands. Positively the best and most indestructible nozzle made. \$3.00 each; worth twice the price (by mail, \$3.10).

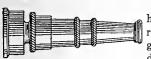


BOSTON SPRAY NOZZLE

(For ¾-inch Hose)
Light Copper. \$1.35
(by mail, \$1.45).

Heavy Brass. \$1.35 (by mail, \$1.45).

PERFECTION HOSE NOZZLE

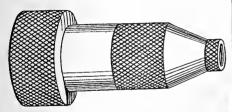


hose. Can be regulated to give three different

streams. Price, 75c. (by mail, 80c.).

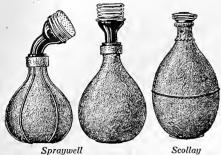
Allen. Similar to the Perfection nozzle. Price, 70c. (by mail, 80c.).

Champion. A dandy nozzle for greenhouse use; makes a spray or a solid stream; easily adjusted. 60c. each (by mail, 70c.).



RAINBOW NOZZLE

Makes a full stream or fine spray, which can be changed by a slight turn of the finger; positive shut off; no leaks; nothing to wear out. Price, \$1.00 (by mail, \$1.10).

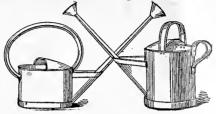


RUBBER SPRINKLERS

Either Straight Neck or Crook Neck
No. Each
1. Spraywell Style. 6 oz. capacity. \$0.85
2. Spraywell Style. 8 oz. capacity. 1.00
3. Spraywell Style. 10 oz. capacity. 1.15
1. Scollay. 10 oz. capacity. 1.40
If wanted by parcel post, add 10c. each
for postage.

RUBBER APRONS

For watering, etc., made of extra heavy material; brass eyelets. \$2.50 each.



WATER CANS (Wotherspoon's) Extra Heavy—With Long Spout—Will Last for Years

Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

These cans are not mailable.

T 11	ese cans are not manable.		
		Round	Oval
4	quart	.\$3.75	
6	quart	. 4.00	\$4.75
8	quart	4.50	5.00
10	quart	. 5.00	5.50
12	quart	5.25	6.00
16	quart		6.50
	4 quart Fern or Low Water	ing	
	Can	. 3.00	

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine, 50c. each (by mail, 60c.).

IRON CLAD WATER CANS

Made of light galvanized iron.

6 8 10 12	quartquartquartquartquartquartquartquart	1.15 1.30 1.55 1.65		
16	quart	2.10	T.	

Iron Clad



Misto Sprayer

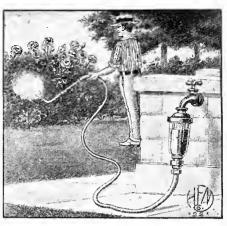
THE MISTO BOTTLE SPRAYER

An ideal sprayer for applying various insecticides to house plants. Makes a fine mist, avoiding all drip; so simple in design it will last forever; nothing to get out of order; made of metal, nicely nickeled; can be used in connection with most any ordinary bottle. Guaranteed in every respect or money back. Price, without bottle, \$1.25 (by mail, \$1.35).



LIQUID MANURE DISTRIBUTOR

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. \$2.75 each (by mail, \$2.85).



Houghton Sprayer

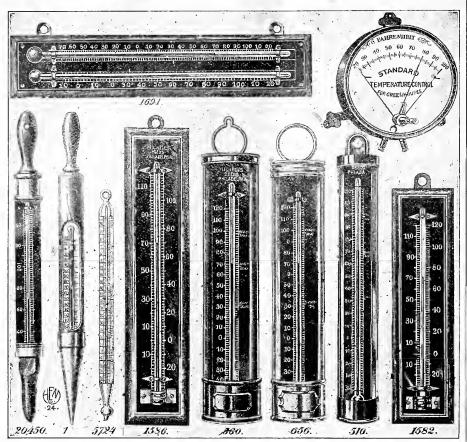
HOUGHTON SPRAYER

A device for attaching to the water line spigot for distributing in a highly efficient manner modern greenhouse insecticides or fertilizer; the sprayer can also be attached to a force spray pump by means of an interchangeable ferrule, ½ and ¾-inch. The illustration shows a substantial sized glass reservoir into which a cartridge of insecticide or fertilizer as offered below is put, the water is turned on at the faucet after the hose is attached and you have one of the most perfect systems of applying insecticides or fertilizers to plants either under glass or out of doors; a branch pipe with nozzle which is part of the equipment is put on the nozzle end of the hose and the preparation to be used is applied under reasonably high pressure, because the nozzle is so designed. Price of Nozzle, pipe and reservoir with interchangeable ferrules \$6.75. (by mail, \$7.00).

Price List and Varieties of Cartridges:

Eac Arsenate of Lead \$0.6	
Hellebore (Petroleum)6	
Arsenate of Lead and Fish Oil (Comb.)	0 6.50
Fertilizer	
Fish Oil	0 6.50
Fish Oil and Nikoteen6	0 6.50
Caustic Petroleum	0 6.50
Bordeaux and Fish Oil	0 6.50

MICHELL'S GREENHOUSE ACCESSORIES, ETC.



THERMOMETERS

No. 1694. Maximum and Minimum. Registering the coldest and the warmest point during the previous night. \$4.00.

TESTED THERMOMETERS

No. 506— 8 inch, Tin Case	\$0.85
No. 510—10 inch, Tin Case	. 1.00
No. 556— 8 inch, Greenhouse	1.00
No. 560—10 inch, Greenhouse	
No. 652— 8 inch, Genuine Copper Ca	
No. 656—10 inch, Genuine Copper Ca	$\sec 2.25$
No. 1582-8 inch, Wood Back, Black	k
Scale	. 2.00
No. 1586-10 inch, Wood Back, Black	k
Scale	

GLASS DAIRY THERMOMETERS No. 5724. For testing milk, etc., also used for soil purposes. 40c. each.

MUSHROOM OR HOTBED THERMOMETERS

No. 20450. Galvanized Iron Point, each.\$2.25 No. 1. Brass Point, Paper Scale, each. 1.75

RECORDING THERMOMETER

No. 200. This type of thermometer which can be equipped with either a daily or weekly chart enables one to keep an accurate record of the temperature in his greenhouse during every hour of the day and night; the thermometer is equipped with a high grade clock and ink stylus which marks very accurately. It is an ideal installation; in ordering state if weekly or daily record chart is desired. Price, \$45.00.

ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. No. GH3, not waterproof style, \$11.50. No. GH4, waterproof style, \$17.50. See illustration above.



For supporting broken lights of glass. Will not rust. Price, \$1.75 per 100.



GLASS CUTTERS

Single Wheel, steel, each\$0.20 No. 8A Large Diamond. Mahogany handle..... 5.75

KEYSTONE LIQUID GLAZING PUTTY

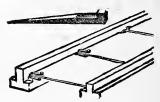
Superior to ordinary putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.
Especially adapted for glazing wood and metal sash. Per gal., \$2.50.

BLACK GLAZING CEMENT

Apply with a mastica machine. Per gal.,



Peerless Glazing Point



Siebert's Glazing Point

GLAZING POINTS

Peerless. Three sizes. No. 1, for single thick glass. No. 2, for single thick glass. No. 2½, for double thick glass.

Price, 65c. per 1000. (By mail, 10c. per 1000 extra.)

Pincers. For driving Peerless Points, 60c. (By mail, 65c.)

Siebert Style (Zinc). Made with a promi-

nent head; cannot rust; easily driven. 5/8, 3/4 and 7/8 inches long. 55c. per lb. (by mail, 65c.); 5 lbs., \$2.50 (by mail, \$2.65). 1000 to 1200 in a lb.

Zinc Clazing Nails. 45c. per lb. (by mail, 55c.).

MASTICA

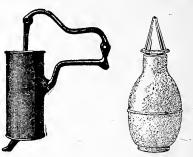
For glazing greenhouses. One gallon will cover about 300 running feet.\$2.50

GREENHOUSE WHITE

A superior white paint for sash bars, sash frames, etc. Per gal., \$3.75.

PUTTY DISTRIBUTOR

For distributing putty, mastica, etc. Price, \$1.50 (by mail, \$1.60).



Mastica Machine

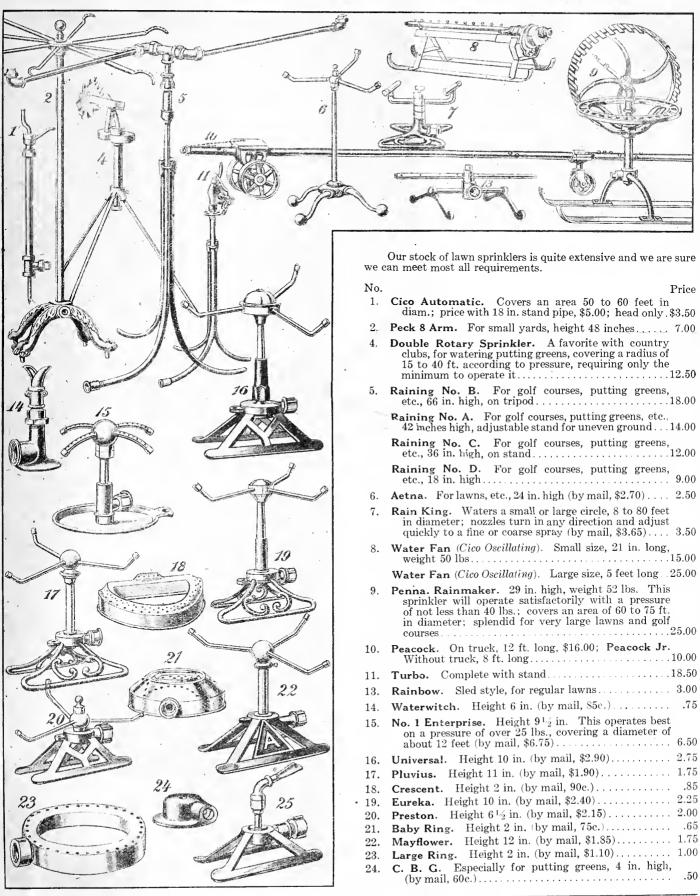
Putty Distributor

MASTICA MACHINE

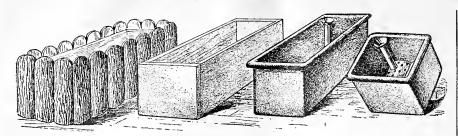
For distributing mastica, etc. Made of heavy zinc. Price, \$3.00 (by mail, \$3.10).

DAYLIGHT GLASS CLEANER

For taking off whitewash shading, etc. Apply with a brush, leave on a few minutes and rinse off with cold water. One gallon will clean 400 to 600 square feet of glass. Per gal., \$2.75; \$11.00 per 5 gals.



170 RUSTIC FURNITURE, WINDOW AND PORCH BOXES, ETC.



Rustic Window Box

Plain Window Box

Savo Window Box

Savo Plant Tub

WINDOW BOXES

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length 24-inch 30-inch 36-inch	$6\frac{1}{2}$ -inch	Width outside 8-inch 8-inch 8-inch	Price \$1.50 1.75 2.00
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Any length made to order, 80c. per running foot, 8 inches wide.

WINDOW BOXES

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

	Deptn	wiatn				
Length	outside	outside	\mathbf{Price}			
24-inch	$7\frac{1}{2}$ -inch	11-inch	\$1.75			
30-inch	$17\frac{1}{2}$ -inch	11-inch	2.25			
36-inch	$7\frac{1}{2}$ -inch	11-inch	2.50			
Any length made to order, \$1.00 per run-						
ning foot, 11 inches wide.						

RUSTIC BARK (Cedar)

For covering boxes, columns or any other article. Per sq. ft., 6c.; \$1.25 per 25 sq. ft.; 50 sq. ft., \$2.00. Per bundle of 150 sq. ft., \$5.00.

WINDOW BOXES Savo Self-Watering

The Savo Flower and Plant Boxes are made of the best grade of galvanized steel, with neat round corners and a full roll rim; the watering is easy, the drainage ample, the air circulation perfect. The green enamel finish both inside and out prevents rust or leakage. They will last in constant use many years. Reservoir requires water about every 10 days to two weeks.

	Height	Width	Length	Price
Model A.	6½ in.	$6\frac{1}{2}$ in.	23 in.	\$3.25
Model B,	8 n.	$9\frac{1}{2}$ in.	29 in.	4.00
Model C,	8 in.	$9\frac{1}{2}$ in.	35 in.	4.50
Model D,	·8 in.	$9\frac{1}{2}$ in.	41 in.	5.00
Model E,	8 in.	12 in.	12 in.	3.00
Model F,	12 in.	12 in.	12 in.	3.50

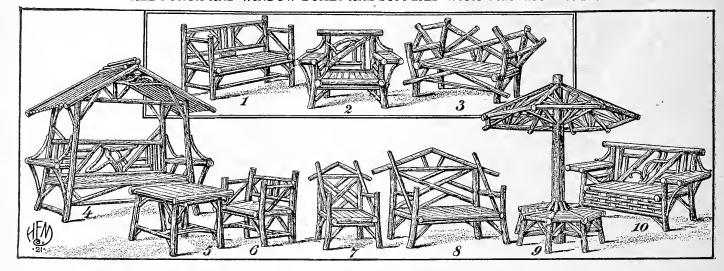
These are outside measurements, including the ¾-inch roll rim. Special sizes made to order when required.

THE SAVO

Self-Watering Plant Tub

Model E—12x12-in.x 8-in. deep.....\$3,25 Model F—12x12-in.x12-in. deep..... 3.50

ALL PORCH AND WINDOW BOXES ARE SUPPLIED WITH DRAINAGE HOLES



RUSTIC PORCH AND GARDEN FURNITURE

A rustic chair, settee, table or canopy add charm to the surroundings of a country home, be it pretentious or modest. Our stock is in good assortment and priced very moderately. We are also in position to make special designs of rustic work, such as summer houses, bridges, etc. We will refer to these in description and price both by number and name so they may readily be identified.

No. 1. Mission Settee. 4 ft. long, similar in design and construction to "Klondyke," except it does not have the extended arms. Price, \$11.00.

arms. Price, \$11.00.

No. 2. Klondyke Chair. Width 48 inches, including arms; very roomy and comfortable. Price \$7.00

very roomy and comfortable. Price, \$7.00.

No. 3. Florida Settee. 4 ft. long; similar to "Elwood" style, except there is a difference in the design of the back. Price, \$4.50.

No. 4. Canopy Settee. This is rather an extensive affair, weighing 250 lbs.; is shipped in two sections, but is easily set up; equipped with wide arms which can be used for plant boxes, etc.; will seat 4 persons comfortably. Extremely attractive and will add materially in beautifying the suburban home grounds. Price, \$32.50.
No. 5. Mission Table. A table will be found a great con-

No. 5. Mission Table. A table will be found a great convenience in a summer house, on a porch or under the shade of a tree; the top is 28 x 28 inches. Price, \$8.50.

- No. 6. Mission Chair. The construction of this is like the settee bearing the same name, except it seats one person. Price, \$7.00.
- No. 7. Elwood Chair. An attractively designed, reasonably priced piece of furniture. Price, \$3.00.
- No. 8. Elwood Settee. 4 ft. long; made with a high back and apex finish; extra good value for the money. Price, \$4.50.
- No. 9. Japanese Umbrella. Shipped in two sections, but easily erected; has a large seating capacity. The umbrella design top adds distinctively to its appearance. Can be supplied with a lattice or open top like illustration or with a slab top. Price, with slab roof, \$36.00; with lattice roof, \$44.00.

No. 10. Klondyke Settee. 5½ ft. long; of attractive design, and made in the most substantial manner. Price, \$11.00.

MICHELL'S HORTICULTURAL AND GARDEN SUPPLIES



IRON PLANT STANDS

These have a tilting device so that plant may be set at any angle if desired. Enameled green. In. Size of Plates Each
 5×7 \$1.55

 5×7 \$1.55

 5×7 1.75

 $8 \times 10^{1/2}$ 2.65

 $8 \times 10^{1/2}$ 2.85

 $8 \times 10^{1/2}$ 3.00

 $8 \times 10 \frac{1}{2} \dots 3.20$ 48 8 x 12..... 3.30 8 x 12 3.50 8 x 12 3.65

EXTRA PLATES FOR IRON **STANDS**

5 inch	Each\$0.50	8	inch.	 Each . \$0.70	
7 inch	60	101/2	inch.	 90	
	, each				

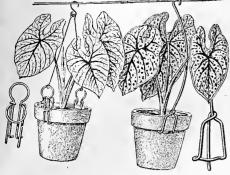


Jones Plant Stands

WIRE PLANT STANDS

Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collap-sible and takes up very little space when not in use.

Jones, 2 she f. . \$5.00 | Jones, 3 shelf . . \$6.00



Krick's

Eureka

POT HANGERS

Each Doz. Krick's No. 1. For 3 to 5-in. . . \$0.07 \$0.70 .08 .80 .09 .90 pots... If wanted by parcel post, add 10c. per doz.

for postage. Eureka. Suitable for any size pot up to 8 inches. Made of galvanized wire, 15 inches long. 20c. each (by mail, 25c.); \$2.00 per doz. (by mail, \$2.10); \$12.50 per 100.

JONES' POT BRACKET

No. 1. Holds 5inch pot. Each, 60c.; \$6.50 per doz.

No. 2. Holds 6inch pot. Each, 65c.; \$7.00 per

No. 3. Holds 7inch pot. Each, 75c.; \$8.00 per doz.

If wanted by parcel post, add 10c. each for postage.

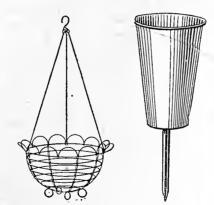


HANGING BASKETS

Galvanized Wire

For greenhouse, porch and conservatory.

Size											E	lach	Doz.
8 inch.											\$(.30	\$3.00
10 inch.											1	.40	4.00
12 inch.													
14 inch.												.70	7.25
16 inch.							,					.85	9.00



VASES

Tin Enameled Vase

For holding cut flowers on cemetery lots, D Dogt

					т,	I OSC
No.					Each	
3.	Iron.	Large;	gree	en	\$0.75	\$0. 90
	Iron.	Mediu	m; g	reen	.65	.75
6.	Galva	nized.	Lar	ge	1.00	1.15
5.	Galva	nized.	Me	dium	.85	.95
		Ename				25c.
ea	ch (by	mail, 30	c.);	doz., \$	2.50.	
2. 6. 5.	Iron. Galva Galva Tin.	Mediu nized. nized.	m; g Lar Me led;	reen ge dium large,	.65 1.00 .85 green,	.75 1.15 .95

WALL NAILS

Wire Basket

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

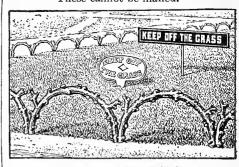
	Doz.	
1 inch	.\$0.45	\$2.75
1½ inch		3.75
2 inch		4.50





BASKET HOOKS

Thoroughly galvanized so they cannot rust Single, 5-in. thick \$1.00



LAWN GUARDS

For path corners, flower beds, etc. Iron (see cut), nicely painted green, \$2.75 each. Not mailable.

Wire, made extra heavy and well galvanized. Price, 35c. each; per doz., \$3.50; (b) mail, \$3.65).

LAWN SIGNS

Excellent for putting on grass plots where

Excellent for putting on grass plots where thoroughfare is not desired.

Iron, painted gray, trimmed red, 85c. each, (by mail, \$1.00); per doz., \$9.00

Enameled Iron Style. (See cut above). This pattern is best for conspicuous places. Name-plate finished with green and white enamel; 20 inches long and about 4 inches wide. Equipped with iron stake. \$2.25 each (by mail, \$2.40); per doz., \$25.00.

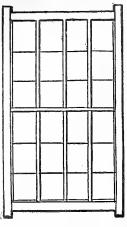
STANDARD COURTESY NUMBER MARKER

The modern way of displaying your house number and if desired, your name in the suburbs. This number can be placed at the intersection of your lawn walk and the public pavement, or in any location desired. Helps your friends, the postman and delivery people find you quickly, day or night, as the white letters show up readily in the dark; easily kept clean by an occasional cleansing with soap and water. Plain, artistic and indestructible; will last forever, the figures are beveled white porcelain, held permanently in a durable cast metal frame, securely anchored at any height you desire, by using an iron pipe of the desired height. As this is a made to order proposition, please allow one week for executing orders. Can be furnished in red or green background. When ordering, state if you want your name or the street name and number on marker, otherwise street number only will be furnished. Price, f. o. b. Cleveland, Ohio, \$4.50 each; Parcel Post 25c. each extra. An investment, not an expense.

HOT BED SASH

Philadelphia Style. Made of best quality cypress. Size, 3 feet 1½ inches wide, 6 feet long, 13/4 inches thick. Plain, not glazed or painted. Each, \$4.25.

Glazed, including paint-ing and puttying. Each, \$9.00.



Sunlight Style. Plain, unglazed. Each, \$5.25. Glazed and painted. Each, \$13.00. Crating Charges on all Glazed Sash, 50c. per sash additional.



HOTBED MATS

Hotbed mats keep frost and severe cold out of frames. They mean earlier and big-ger crops. The Burlap style are the best mats that it is possible to procure. They are padded with shoddy and are practically in-

Burlap, Non-Waterproof. 76 x 76 inches, covering two regular size sash. Each, \$3.50; \$37.50 per doz.

Burlap, Non-Waterproof. 40 x 76 inches, for one sash. Each, \$2.25; \$25.00 per doz.

Burlap one side, Waterproof Drill one side. 76 x 76 inches. \$5.00 each; doz., \$55.00.

Burlap one side, Waterproof Drill one side, 40 x 76 inches. \$2.75 each; doz., \$30.00. Each

 Straw Mats.
 3 x 6 feet.
 \$2.00

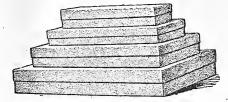
 Straw Mats.
 6 x 6 feet.
 3.50

Special size Hotbed Mats to order; any length, but only in 72-inch widths. Straw Mats made to order any length, 6 ft. wide. Under 100 sq. ft., 15c. per sq. ft.; 100 to 150 sq. ft., 13½c. per sq. ft.; 150 sq. ft., and over, at 12½c. per sq. ft.

SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation. Made of brown cloth.

	Yards	Price	Price
	Per Piece	Per Yard	Per Piece
Light	60	$\$0.15\frac{1}{2}$	\$8.40
Medium	.60	.22	12.00
Heavy	40	.32	12.00



CUT FLOWER BOXES CORRUGATED PAPER

These are desirable for shipping cut flowers from country estates to city residences, very durable. 48 x 14 x 8 inch.....\$0.70 6.00 36 x 14 x 6 inch..... .55 5.25 30 x 12 x 6 inch..... 4.75 24 x 8 x 5 inch..... 4.50

LIGHT WEIGHT PAPER

Mist green, lined white inside. The sizes offered in this finish are carried in stock, other sizes in this finish, also in manila, mist tan and oxford gray can be supplied on short notice.

L. W. D.	Doz.	100
18 x 5 x 3 inch	.\$0.65	\$4.75
$24 \times 5 \times 3\frac{1}{2}$ inch	. 1.10	7.00
24 x 8 x 4 inch	1.30	9.25
28 x 8 x 5 inch	. 2.00	13.00
30 x 10 x 6 inch	. 2.25	16.50
$30 \times 12 \times 7$ inch	3.00	22.00
36 x 8 x 5 inch	. 2.25	16.50
We can also supply other si	zon ond	atazlos

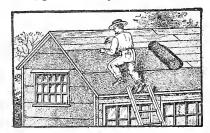
We can also supply other sizes and styles of boxes.

PAPER FOR WRAPPING **BOXES AND FLOWERS**

Manila. For wrapping. \$0.20 \$2.25 \$4.00 25 1.15 2.00 2.00 3.50

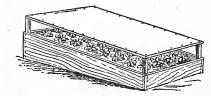
CREPE PAPER

Color, green. 55c. per roll.

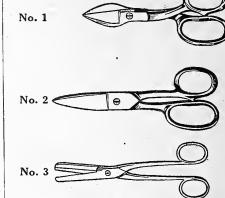


ROOFING PAPER, ETC.

Sq. ft. Per roll Celery Paper 500 Marley Rubber Roofing, 1-ply.108 2.75 Marley Rubber Roofing, 2-ply.108 2
Marley Rubber Roofing, 2-ply.108 4
Marley Rubber Roofing, 3-ply.108 4
Caps for paper. 1 lb., 12c.; 5 lbs., 55c.
Nails for paper. 1 lb., 12c.; 5 lbs., 55c. 3.50 4.00



Shading or Protecting Cloth For prices, see left hand column.



Key to illustrations: No. 1, Wire and Tin Shears; No. 2, Grape Scissors; No. 3, Flower Scissors.

WIRE AND TIN SHEARS

No. 833. $7\frac{1}{2}$ inch, used for cut flower wire, etc. \$1.10 No. 832. 8 inch, used for cut flower wire, etc... No. 12. 8-inch for heavy wire and tin 1.35 No. 10. 10-inch for heavy wire and tin 1.75 If wanted by parcel post, add 10c. each for postage.

GRAPE SCISSORS

For thinning out bunches of grapes, and not disturbing the berries that are to remain for development.

No. 6148. 6 inch, \$1.50 (by mail, \$1.60). FLOWER SCISSORS

No. 1922. Cuts flower and holds the stem. Price..... SUN DIALS \$1.75



These ancient time-tellers are a part of every exclusive flower or vegetable garden, and indeed a very interesting one. No. 350. 8-in. diam. bronze, plain, \$5.00 each. No. 351. 9½-in. diam.,

bronze, with motto, \$6.00 each.

No. 105. 10-in. diam., bronze, with motto, \$6.50 each.

No. 107. 11-in. diam., bronze, with motto, \$9.50 éach.

Prices do not include pedestal.



AUTOMOBILE HEATERS

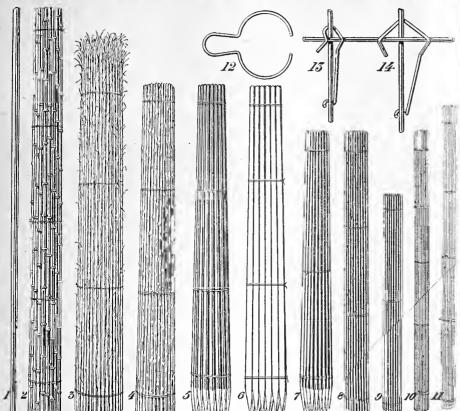
These will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather.

No. OB. Single drawer, with Brussels carpet, 14 in. long. \$4.00 each.

No. 7B. 20-in., single drawer, covered with Brussels carpet. \$5.50 each.

No. 10. Three drawers. \$9.00 each.

Coal for automobile heaters. \$1.25 per doz. bricks; per 100, \$8.50. Tongs for handling hot coal, 60c. pair.



KEY TO ABOVE ILLUSTRATION: No. 1, Pole for Pruners; No. 2, Bamboo Poles, STAKES; No. 3, Southern Cane; No. 4, Japanese Cane, Natural; No. 5, Dahlia; No. 6, Square; No. 7, Tapering; No. 8, Japanese Cane, green; No. 9, Hyacinth; No. 10, Galvanized Wire, No. 10, wire; No. 11, Galvanized Wire, No. 8, wire; No. 12, Wire Plant Tie; No. 13, Eureka Stake Fastener; No. 14, Everlasting Stake Fastener.

HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

Inch Doz. 100 1000

GALVANIZED WIRE STAKES

No. 10 WIRE, LIGHT

Feet			Doz.	100	1000
2		:	\$0.25	\$1.25	\$9.25
$2\frac{1}{2}$.30	1.60	11.50
3	If wanted by		.40	2.00	13.75
$3\frac{1}{2}$	Parcel Post, add		.45	2.25	16.50
4	20% to doz. price,		.50	2.50	18.55
41/2	10% to 100 price for postage.		.55	2.75	22.50
5	for postage.	ļ	.65	3.00	25.00
51/2			.75	3.50	27.50
6			.85	3.75	30.00
7			1.00	4.00	32.50

	NO	. 6	•	W	٧,	L	K.	Ľ,	, HE	r w x	
eet										100	
									. \$0.35	\$1.60	\$13.
1/2									40	2.00	16.

2		\$0.35	\$1.60	\$13.50
$2\frac{1}{2}$.40	2.00	16.00
3	<u> </u>	.50	2.25	18.50
3½ If wanted I Parcel Post,	by add	.55	3.00	25.00
4 20% to doz. p		.60	3.25	27.50
4 1/2 10% to 100 pt	rice	.65	3.50	32.50
5 for postage	э.	.70	3.75	35.00
$5\frac{1}{2}$	—.	.85	4.25	37.50
6		.95	4.75	40.00
7		1.10	5.25	45.00

TAPERING PLANT STAKES PAINTED GREEN

	reet		ľ	sacn	Doz.	100
	$1\frac{1}{2}$		\$	0.04	\$0.35	\$2.10
	2			.06	.55	3.15
	$2\frac{1}{2}$	If wanted by		.07	.75	5.50
	3	Parcel Post, add		.10	1.00	7.00
	$3\frac{1}{2}$	20% to doz. price, 10% to 100 price		.11	1.10	8.50
	4	for postage.		.13	1.40	11.00
į	5		١	.16	1.85	13.50
į						

ROSE OR DAHLIA STAKES

Round tapering style; paint	ed gree	n.
	Doz	
3\$0.13	\$1.44	\$11.00
$3\frac{1}{2}$	1.66	13.00
4		
5		19.00
6		23.00
If wanted by Parcel Post,	add 2	0% to
doz. price for postage.		

SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	and m	nancu.					
	Feet			Each	Doz.	100	į
	$1\frac{1}{2}$			\$0.04	\$0.35	\$2.10	l
1	2		٠	.05	.55	3.15	l
	$2\frac{1}{2}$	If wanted by	١.,	.07	.65	4.50	ı
ı	3	Parcel Post, add 20% to doz, price	٠.	.11	1.08	7.50	
ı	$3\frac{1}{2}$	10% to 100 price		.12	1.15	8.50	ı
	4	for postage.	٠.	.15	1.40	9.75	ĺ
ı	5		٠.	.20	2.00	14.00	l
١	6			.25	2.50	16.50	١

JAPANESE GREEN CANE STAKES

These are very attractive for all purposes of plant staking; thin and very strong. Feet Doz. 100 500 \$0.75\$0.15 \$3.25 \$6.00 5.50 6.75 .20 1.25 9.00 25 1 40 11.00 .35 1.60 7.00 12.50 .35 2.00 8.00 14.00 2.25 .40 9.00 15.00 .50 2.50 10.00 16.00

JAPANESE NATURAL CANE

					S	TA	KES		
Feet							100	500	1000
$2\frac{1}{2}$.					. \$1	0.20	\$1.20	\$4.50	\$8.00
3.	٠.					.25	1.40	5.00	9.00
6.						.40	2.25	8.00	15.00

WIRE STAKE TIE

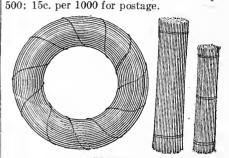
(Buschardt's)

For fastening plants to stakes, either wire or wood; can be used many times. 1000 ties in pkg. Price, \$2.50 (by mail, \$2.60).

STAKE FASTENERS

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

	500	1000
Everlasting Style, heavy	\$2.25	\$4.00
Eureka Style, light	. 1.60	3.00
If wanted by Parcel Post,	add 1	0c. per
500, 150 non 1000 for nonte		-



WIRE

Allow for	r postage if wanted by mail.	12-lb.
	Lb.	Stone
No. 16.	Galvanized \$0.20	\$2.00
No. 18.	Galvanized	2.25
No. 19.	Galvanized	2.40
No. 20.	Galvanized	2.50
No. 22.	Galvanized	2.60
No. 16.	Annealed	1.50
No. 18.	Annealed	1.75
No. 20.	Annealed	1.85
No. 22.	Annealed	2.00
No. 24.	Annealed	
110. 24.	Annealeu	2.10

TINNED WIRE

Used for bunching celery, etc.
No. 19, in 10-lb. boxes, cut 8½ inches, 30c.
per lb.; per box, \$2.50.

CUT BOUQUET WIRE For Stemming Flowers

	t 9, 12 or 18 inches in length.
	25c. per lb.; per box, 12 lbs \$2.25
	30c. per lb.; per box, 12 lbs 2.50
No. 24,	35c. per lb.; per box, 12-lbs 3.00
	BAMBOO POLES

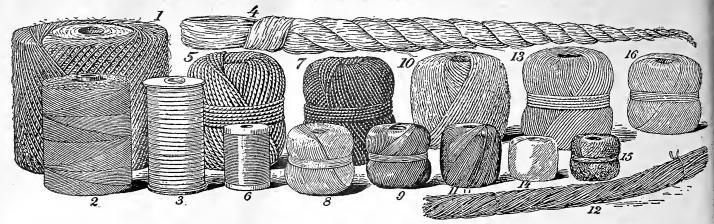
 Used extensively for brushing worm casts off Putting Greens, also for staking young trees.

 Each
 Doz.
 100

 16 feet long.
 \$0.50
 \$5.50
 \$40.00

 18 feet long.
 .60
 6.50
 50.00

 20 feet long.
 .75
 7.50
 60.00



Key to above illustrations. No. 1, Binder; No. 2, Peerless; No. 3, Raffiatape; No. 4, Raffia; No. 5, Express; No. 6, Silkaline; No. 7, Tarred Marlin; No. 8, Cayuga, Medium; No. 9, Smilax; No. 10, Jute; No. 11, Green Sea Island; No. 12, Tarred Sisal; No. 13, Japanese; No. 14, Special White Cotton; No. 15, Linen Bouquet; No. 16, Cayuga, heavy.

TWINES, ETC.

	~ -	
		Lb.
No. 108. White Cayuga,		
Medium	\$0.45	\$0.80
No. 208. White Cayuga,	T	7
Heavy	.45	.80
Jute, 2-ply and 3-ply	.15	.30
Linen Bouquet	.15	
Green Sea Island	.15	.90
No. $4\frac{1}{2}$. Japanese Twine.		
Medium heavy	.35	
White Cotton, 3-ply	.14	.65
Peerless. Color, Nile green		1.00
	.35	2.00
Tarred. For mat making	.00	177
Tarred Sisal. For fodder		.17
Binder		.22
Express. Very heavy	.30	
Green Silkaline. For stringing	g Smil:	ax and
Asparagus, etc. F, fine; F	F, me	edium;
FFF, coarse.	,	
Price, per spool, 40c.		
Price, per lb. (8 spools)		.\$2.75
Smilax Twine (Silkaline Subst	itute).	Verv
similar to the above; fast c		
	OIOI .	11100,
25c. per spool; per lb., \$1.25.		

RAFFIA

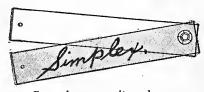
For tying, basket making and fancy work; very long and fibrous.

Natural Color, 25c. per lb. (by mail, 35c.);

5 lbs., \$1.00. Green, \$1.10 per lb. (by mail, \$1.20); 5 lbs., \$5.00.

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong: it is about 1/8 inch wide and is put up in 250-yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Per bolt of 250 yards, 90c. (by mail, \$1.00).



See prices opposite column.



TREE LABELS

	40	
If wanted by parcel post, ad	d 10c. p	er 100
for postage.	100	1000
Iron Wired. Plain	\$0.35	\$2.25
Iron Wired. Painted		2.75
Copper Wired. Plain		2.75
Copper Wired. Painted		3.25
Copper Sheet, wired .30c. doz.		
Zinc Sheet wired30c. doz.		
Indelible Marking Pencils.	Each.	18

PAINTED POT LABELS

			By Mail	
		100	per 100	1000
4	inch	\$0.35	\$0.40	\$2.30
$4\frac{1}{2}$	inch	.40	.45	2.80
5	inch	.45	.50	3.05
6	inch	.55	.60	3.55
8	inch	1.60	1.70	9.50
10	inch	-2.00	2.10	12.25
12	inch	2.35	2.50	14.40
18	inch, for field use	6.25	6.45	57.00

SIMPLEX WEATHERPROOF PLANT LABEL

The material carrying the writing is white celluloid with a specially prepared surface. This is protected by a transparent cover of Marking done with an ordinary lead pencil is not affected by the most severe weather conditions and will last for years; water entering under the cover will not deface the writing. As often as desired, however the pencil marking may be instantly removed with an ordinary rubber eraser, or washed off with soap and water, and the label used again repeatedly; indelible pencil or ink should not be used for marking. Simplex Weatherproof Labels are adapted for all outdoor garden records; excellent for roses and other shrubs.

	including copper	wires for	attach-
ing.	Sizes	Doz.	100
No. 1-3	x ½ inch		
	x 3/4 inch		
No. 3—5	x 1 inch	1.10	7.50
See	illustration opposi	ite colum	n.

SUNDRIES

Bulb Fibre. Qt., 15c.; 45c. per ½ pk.; pk., 75c.; \$1.25 per ½ bu.; bu., \$2.00.

Bull Dog Clips. For fastening packages, etc., \$1.25 per box.

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; 1/4 lb., \$1.00.

Carnation Clips (Baurs). For mending carnations. \$1.00 per 1000.

Carnation Staples (Wire). 50c. per 1000. Celery Tape. Fast red, in 1000-yard spools \$5.25.

Charcoal (Lump). For use in potting. Pk., 65c.; \$1.50 per bu.; bbl. sack, \$2.50.

Charcoal (Ground). Coarse, fine and powdered. Per lb., 8c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.25 per 25 lbs.; 100 lbs., \$4.00.

Glass Cleaner. \$2.75 gal.; 5 gals., \$11.00. Grafting Wax. 1/4 lb., 15c.; 25c. per 1/2 lb.; lb., 45c.

Moss (Green Lump). Pk., 60c.; \$1.75 per bu.; bbl. bag, \$3.25.

loss (*Green Sheet*). ½ pk., 40c.; 70c. per pk.; bu., \$2.00; \$3.50 per sack. Moss (Green Sheet).

Moss (Sphagnum, dry). Bbl. bags, \$1.50; \$4.00 per large bale.

Moss (Sphagnum, live). Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.

Peat or Leaf Mould. Pk., 50c.; \$1.50 per

bu.; bbl., \$3.25.

Peat (Orchid). Pk., 75c.; \$1.75 per bu.; bbl. bag, \$3.25.

Pebbles. Qt., 10c.; 75c. per pk.; bu., \$2.00; \$4.00 per bbl.

Pruning Compound. Per qt., 85c.; \$2.50 per gal.

per gal.

Sand. For propagating. Per qt., 10c.; 40c. per pk.; bu., \$1.40; \$3.00 per bbl.

Shaderine. For shading greenhouse glass. 5 lbs., \$1.25; \$2.75 per 10 lb. can.

Soil. For potting. Qt., 10c.; 25c. per ½ pk.; pk., 40c.; \$1.50 per bu.; bbl., \$3.25.

Tin Foil (Plain). In 5 and 6-inch widths. 1-lb. pkgs., 25c.; 5 lbs. for \$1.20; 5-inch width in 5-lb. rolls. \$1.20. Green or width in 5-lb. rolls, \$1.20. Green or violet in 1-lb. pkgs., 60c. per lb. oothpicks. Wired. 50c. per 1000;

Toothpicks. 10,000, \$3.75.

Toothpicks. 4-inch, wired, green; per

1000, \$1.00; \$3.75 per 4500. Toothpicks. 6-inch, wired, green; per

Toothpicks. 6-inch, wired, green; per 1000, \$1.20; \$3.30 per 3000.

Tree Paint (Target Brand). Qt., 85c.; \$2.50 per gal:

Weed Killer. Qt., 55c.; 90c. per ½ gal.; gal., \$1.75; \$6.75 per 5 gals.; 30 gals., \$33.00; \$50.00 for 50 gals.

Zementine. For whitewashing and shading. 2 lbs., 40c.

MICHELL'S SPRAYING AND INSECTICIDE APPARATUS, ETC.

JUST SLIP THE

SEALED

INTHE GUN

RTRIDGE

CONTAINS

ENOUGH MATERIAL

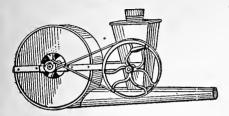
TO DUST

RDINARY

5 CENT

PITATO PLANTS

CARTRIDGE



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Made of heavy metal with no wearout to them. A man can dust a very large house in a few minutes, using one of these blowers. Price, \$8.00.

VAPORIZING LAMP

Practical and indestructible: all metal; burns kerosene; used for dispensing fumes of Nikoteen and other preparations of this sort. 80c. each. (By mail, 90c.)





Perfection Fumigator

FUMIGATORS

Perfection Make

Fitted with a water tank to prevent burn-

ing	ou	ıt.										ቀራ ሰሰ
No.	1	for	house	12	Х	40	it	٠.	• •	• •	٠.	\$6.00
No.	2	for	house	14	х	100	ft				٠.	7.75
NT.	9	for	house	20	x	100	ft					9.50
No.	5	for	house	20	X	150	ft	٠.			٠.	11.50

Eureka Make

No.	1	for	house	10	x	20	ft			 . \$	33.75
No.	2	for	house	12 15	X x	100	ft		. <i>.</i>		5.75
No.	4	for	house	20	x	100	ft	 		 ٠.	7.75



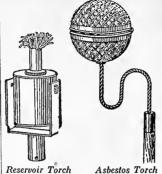
DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 50c. (By mail, 60c.)



WHIRLWIND **POWDER GUN**

For distributing dry powder. Price, (By mail, 40c.).



OIL TORCHES

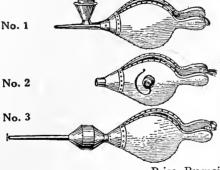
For burning out worms, caterpillars and other tree pest.

_		Each	By mail
Reservoir.			
Asbestos		6	0 .70

POLES FOR TORCHES. Etc.

Hardwood, 12 feet, \$2.75; 14 feet, heavy, \$3.00. Poles are not mailable.

WOODASON HAND BELLOWS



		By mail
No. 3.	Large double cone\$6.7	5 \$7.00
Large si	ngle cone 4.7	5 5.00
No. 1.	Small single cone 3.2	25 3.40
No. 2.	Sulphur bellows 4.0	00 4.15
	~	

PARIS GREEN SHAKERS

For dusting vegetables, potatoes, small fruits and shrubberv.

Farmers' Favorite. (See cut.)

Large double action affair.\$4.25 each. (By m a i l, \$4.50.)



B. D. STYLE

For applying dry insecticides, such as Bug Death, Slug Shot, Paris Green, etc.; made of tin; practical and durable, 80c. each (by mail, 95c.)

No Handling. No Mixing. No Weighing. No Measuring of Poisons. Makes Successful Gardening a Pleasure.

Compare the ordinary method of mixing west space of filling loose dust devices with the new patented up-to-date improved Key Duster Simplicity and Cartridge Convenience No longer need you neglect your garden, flowers or fruit because of such troublesome old-fashioned practice.

More Vegetables. Better Fruit. Beautiful Flowers and Shrubs.

By using specially prepared materials, approved by the Agricultural Experimental Stations, all in Handy Sealed Cartridges ready to apply in-

All Handy Sealed Cartridges, 15c each.

For Vegetable and Small Fruit, B. A. Cartridge.
For Flowers and Shrubs, Office Cartridge.
For Fruit & Vegetables Nearly Ripe, Hellebore Cartridge.
For Aphia and Many Soft-Bodied Insects, Kaphis Cartridge.
For Orchard Fruit,

Key Duster Gun \$1.50

A complete Garden Spray Calendar is

FORFLOWERS,
FRUITS, TABLES
VEGET AND AND GARDENS



UTILITY DUSTER

Used for the application (in dry form) of Arsenate of Lead, Paris Green, etc. Made of heavy tin, enameled red; iron and brass machined gears. Provided with tubes, connections and nozzles as illustrated: also an adjustable carrying strap. Price, \$12.00. (By mail, \$12.50.)

ERADO WEED GUN

(See cut to right)

As handy as a cane, which it resembles. Fill the reservior, which holds about 2 quarts of liquid, with some weed-destroying preparation, diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the plant which is destroyed for all time. Price, \$1.15. (Galvanized iron.) By Parcel Post, \$1.30.

MICHELL'S SPRAYING APPARATUS



VERMOREL DUSTER

The flow being intermittent, this type is commonly called a "puffer"; for general use it is most serviceable. Capacity, 6 quarts, dry measure. For dusting sulphur or sulphur and arsenate mixtures, arsenate of lead, bordeaux mixtures, lime, etc. Simple in construction, easy to operate, efficient in its work.

Single Action. This being of the bellows type has no wheels, cogs, belts or other complicated mechanism that would be likely to wear. Equipped with fine and coarse screens, also strap for carrying. \$20.00.

Double Action. The flow from this type being continuous, it is better adapted for certain work, especially where growth is thick. Price, \$25.00.

AUTO SPRAY

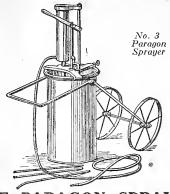
This operates by compressed air; safe and efficient; liquid capacity four gallons; pressure capacity, 40 lbs. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best as corrosive solutions can be used in it without injuring the same. Auto-



No. 1-B.-Brass; equipped with hose and Auto-Pop Attachment, \$10.00.

-Galvanized Iron; equipped No. 1-D.with hose and Auto-Pop, \$7.00.

Auto-Pop Nozzle Attachment; controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately: Plain, \$2.00 each (by mail, \$2.10). \$2.50 complete with hose (by mail, \$2.60).



THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

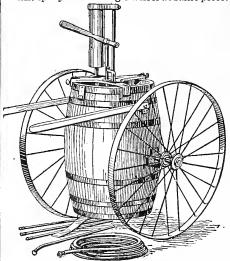
Applying wintewash or paint.

No. 0. Capacity, 3 gallons; equipped with 4 ft. of hose, one 3-ft. extension pipe and 2 spray nozzles. Price, \$12.00.

No. 1. With a 5-gal. reservoir, 5 ft. of hose

and 2 extension pipes, \$17.00.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2½ ft. extension pipes, 2 nozzles and 10 ft. of hose, \$24.00. Without truck, \$20.50. We can also supply this sprayer with single wheel at same price.



No. 4 Paragon Sprayer o. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, No. 4. 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$38.50.

No. 5. Capacity of barrel 50 gallons, equipped with 25 ft. 6-ply hose, 1 10-ft. iron extension pipe, 1 3-way nozzle and 1 single spray nozzle, no truck, \$42.50.

Bucket Washers for Paragon Sprayers, 30c.

Fitti	ngs for Paragon Sprayers
No.	Price
E85.	2-way Spray\$2.50
B24A.	1-way Spray 1.00
B35.	Extension Pipes
E86.	Y Fitting
B 7.	Hose Coupling, Complete 1.10
B18.	Strainer
B10.	Female Hose Coupling
B20.	Stop-Cock 1.00
B24A.	Mist Spray Nozzle with S. and B .90
B22.	Brass Hose Bandseach .10

We can also supply other fittings for above Sprayers.

GOULD'S FRUITALL BAR-REL PUMP No. 1188

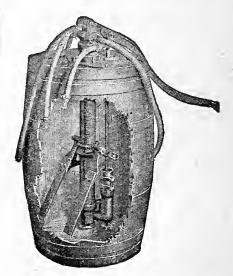
A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. 2 in. diameter cylinder. Bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$12.00.

Outfit C .- With agitator, one 15 ft. lead of ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$18.00.

Outfit D.—With agitator, two 15 ft. leads of $\frac{1}{2}$ in. spray hose and two Mistry Jr.

nozzles (no barrel), \$24.50.

Barrels for holding spray solution, 50 gal. capacity, \$6.00 each.



GOULD'S POMONA PUMP

Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Fig. 1100. Plain pump, 2½ in. diam. cylinder only, \$22.00.

Fig. 1100 Outfit C.—With one 15 ft. section ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$27.50.

Fig. 1100 Outfit D.—With one 15 ft. section $\frac{1}{2}$ in. spray hose and two Mistry Jr. nozzles, \$33.50 each.

Barrels for holding spray solution, 50 gal. capacity, \$6.00 each.



JIM DANDY HAND SPRAYER

Adapted for spraying vegetables and flowers, small fruits, etc.; also valuable for spraying disinfectants in buildings. Price, \$3.50 (by mail, \$3.65).

A complete line of Insect Destroyers will be found on pages 186 and 187.



DEMING KNAPSACK **SPRAYERS**

These are elegant for carrying around the garden, among shrubbery and tree work.

Fig. 675. Copper tank, holding about 5 gals., complete with pump, nozzle and hose Fig. 654. Galvanized tank, holding about 5 gals., complete with pump,

Deming Knapsack Sprayers are not mail-



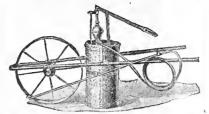
No. 1 MYSTO SPRAYER

A new copper knapsack sprayer which works on a compressed air principle. Compact in construction and light in weight, so that it can be easily carried around. We will sell this sprayer under the condition that if it is not satisfactory it may be returned at our expense. Price, \$27.50.



ROBERTSON POTATO **SPRAYER**

Distributes the spray solution on the top and underneath the foliage of potato vines and other plants. Made of galvanized iron, in a substantial manner. Price, \$1.75.



WHEELBARROW DEMING SPRAYER

A machine that is nicely balanced and easily transported. Extreme width 18 inches; narrow enough to go through the aisles of a greenhouse, 24 in, wheel with a 3 inch tread. making it easily handled over soft and rough making it easily named over soit and rough ground. Pump has 1½ in. diam. cylinder, with adjustable stroke. Equipped with 12-gal. galvanized tank, 10 ft. hose, 4 ft. extension pole, nozzle and shut off valve. Price, \$30.00.



This is the best hand sprayer ever offered, very easily operated, especially preferred by the ladies.

Tin. Each \$1.00. (By mail, \$1.10.) Brass. Each. \$2.00. (By mail, \$2.10.)



CYCLONE HAND SPRAYER

Similar to the above, except they do not have the automatic air reservoir attachment.

No. 112, Tin, large, 50c. (By mail, 60c.) No. 114, Brass, \$1.00. (By mvil, \$1.10.)



HEAVY BRASS SYRINGES

No.	Diam.	Length	Price	By Mail
99.	$1\frac{1}{2}$ in.	18 in. 1	spray \$3.75	\$4.00
101.	$1\frac{1}{4}$ in.	14 in. 2	sprays 4.25	
101A.	$1\frac{1}{2}$ in.	16 in. 2	sprays 5.00	
110.	1^{3} in.	20 in. 2	sprays. 10.50	10.75
120.	$1\frac{3}{4}$ in.	20 in. Ad	justable.12.50	12.75



EXTENSION PIPES, ETC.

For reaching into trees; 38 inch threads. Bamboo, aluminum tube; 10 feet....\$4.50 Pet Cock, for Extension pipes.... 1.25 Paragon Extensions, 2½ ft., 60c. each. STOTT'S SPRAY NOZZLES

(By mail, 70c.)

A complete line of Insect Destroyers will be found on pages 186 and 187.

BUCKET SPRAY PUMP



These are made entirely of brass, except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 31/2 feet of 38-in.

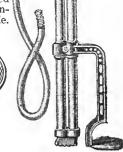
No. 256. Success (without bucket fastener), \$7.75. (By mail, \$8.00.)

No. 689. Perfect Success (with bucket fastener), \$8.25. mail, \$8.50.)

No.327% MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$5.25, including hose and nozzle. (By mail, \$5.50.)





Myer's Pump

COPPER STRAINER

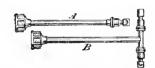
For straining whitewash, spraying mater ial, etc., \$1.50 each. (By mail, \$1.60.)



SPRAY NOZZLES (3/6-in. Thread)

Mistry, Jr., Fig. 1688, Straight style ...\$1.20 Mistry, Jr., Fig. 1691, Elbow style ... 1.20 Mistry, Fig. 1689, Single nozzle, adjust-. 1.65 able angle Mistry, Fig. 1690, Double nozzle, adiustable angle.... Bordeaux Nozzle, Fig. 1692, each. 1.15

If nozzles are wanted for 34-in. hose connections, add 70c. to above prices for Fig. 966 combination.



- Splendid	for	spraying	underneath	foliage.
Single				\$1.65
Double				2.75

If any of the above nozzles are wanted by parcel post add 10c. each for postage.

APACO AUTOMATIC FEEDER

The Apaco Feeder, in general design, is built on the same lines as the well-known and justly famous Norwich Automatic Exerciser and Feeder, but is a hanging machine rather than arranged with adjustable standard.

Constructed of 28-gauge galvanized, tight coated sheeting, malleable and gray iron castings for the valves, agitators, collars, etc., and the workman-ship of the highest possible character, we unhesitatingly guarantee our APA-CO FEEDER as the best machine ever placed on the market at its price.

12-qt. capacity, \$2.00 each (by mail, \$2.20).



NORWICH AUTOMATIC POULTRY FEEDER

In operating the Norwich Automatic Exerciser and Feeder, it is but necessary to fill the hopper with such grain as may be desired, straight or mixed, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation and work it. The hopper is rain-proof and

No. 1—8-quart hopper	\$5.00
No. 2—14-quart hopper	5.50
No. 3—20-quart hopper	6.50
No. 4—32-quart hopper	7.50

Parcel Post Egg Boxes

This shipping package is so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of board. air-cushioned Absolute protection is therefore assured, as the box possesses sufficient strength and durability to stand the usual rough handling in transit.



3 doz	•00	3.00	6 doz	al Egg	4.50
2 doz	25	2.25	5 doz	40	4.25
1 doz	\$0.15	\$1.50	4 doz	\$0.35	\$3.50
Capacity	\mathbf{Each}	Doz.	Capacity 4 doz	\mathbf{Each}	Doz.
					-

Metal Egg Box

This is the ideal, indestructible box for forwarding household eggs by parcels post or express; can be used an indefinite number of times.

Shipping Box

	01 01111000			
2-dozen	capacity.	8	\$1.00	each
3-dozen	capacity .		1.25	"
	capacity		1.50	"
	capacity			"
0-dOZCII	capacity	1 1	1.10	



NORWICH CHICK FEEDER

Convex in shape, it is impossible for the chicks to pull out or scatter the feed; the removable guard rod prevents the chicks from getting into the feed. The body is of galvanized steel with ends riveted and burred to malleable iron brackets. Will last a lifetime with ordinary care. 20 inch.

Without Rain Top, each. \$0.75 | With Rain Top, each....\$1.00



Grit, Shell and Feed Boxes No. 1. Medium, Galvanized Iron, with three spaces, 75c. each.

No. 2. Large, Galvanized Iron, with three spaces, \$1.00 each.



FELKER'S No. 12 FEEDER

Designed especially for a small colony of fowl or for chickens. Can be used for any kind of grain feed or mash and is protected from waste by a specially designed brass wire grid. Can be hung

on the wall or set on a sill.

12 in. long, \$1.00 each (by mail, \$1.10). 24 in. long, \$1.50 each (by mail, \$1.65).



PHILADELPHIA POULTRY FOUNTAIN

From a sanitary standpoint this is one of the best drinking fountains.

The top or body is detached, it is thus easily cleaned. The cone to Made of galvanized iron. The cone top prevents roosting.

Capacity Capacity Each 1 qt....\$0.30 4 qt.....\$0.60

Extra Pans for Philadelphia Founts, 1 qt. size, 15c. each; doz., \$1.50. 2 qt. size, 20c. each; doz., \$2.00. 4 qt. size, 25c. each; doz., \$2.50. 8 qt. size, 30c. each; doz., \$3.00.

NORWICH **AUTOMATIC AIR-**LOCK FOUNTAIN

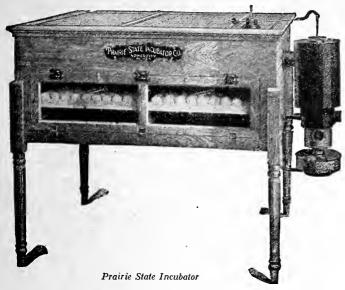
The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is absolutely impossible to contaminate or pollute the water supply, and requires cleaning only about once in three months. Guaranteed frostproof to 10 degrees below zero, and has been operated at temperatures of fifteen and twenty below without being affected. Fitted with detachable cap, which is also used as a funnel for filling; removable oil chamber, heat generator,

Made in one size only, 5 gallons capacity. Shipping weight,

Complete, with burner base\$6.00 Without burner base.... 3.50 Burner base only 3.50



Norwich Automatic Air-Lock Fount



PRAIRIE STATE INCUBATORS

The Prairie State Incubators have made good since the day of their introduction, which is many years ago; the improvements that have been added are the results of developments which experience has proven to be both practical and successful.

In the building, design and construction of the Prairie State

Incubator, every known factor to the present time has been taken into consideration. All Prairie State Incubators are equipped with nurseries.

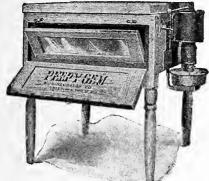
In shipping the heaters are crated separately, as their design and size make it more practical; also it does away with the possibility of the heater becoming injured in transit.

There are also many other improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

	Oil consumption per hour with outside temperature at 60° and incubator tem- perature at 103° per 24 hours	Hen Egg Capacity	Duck Egg Capacity	Price
No. 0.	Diffusive style 3/4 pt.	100	75	\$30.00
No. 1.	Diffusive style . 1 pt.	150	100	37.50
No. 2.	Diffusive style 1½ pts.	240	200	52.50
No. 3.	Diffusive style . 1 3/4 pts.	390	300	67.50
α.	menleta Catalan an Dusinia Cta	to Inouho	han and	D

Complete Catalog on Prairie State Incubators and Brooders free on request.



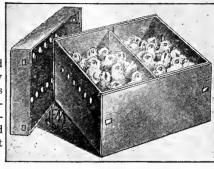
Peepy Gem Incubator

PEEPY GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-egg capacity. Price, \$10.00.

Chick Boxes

Made of corrugated paper: extensively used: will carry chicks any distance with perfect safety. Are shipped knocked down and take up a small amount of space.



Capacity							Each	Doz.
25 Chicks	Sizo	19	v	c	v	5	\$0.25	\$2.25
50 Chieles	. Dize	10	^	10	^	5	οε	2.20
50 Chicks	. Size	12	х	12	х	9		3.50
100 Chicks	. Size	24	X	12	Х	5		4.25

GATE TRAP NEST FRONT

A trap worked entirely by the hen, arresting it every time it enters the nest. Of simple construction; cannot get out of order; must last a lifetime; will never frighten a hen. If you use trap nests you can tell which hens are layers and which are drones.

Please note we furnish fronts only, attachable to a square box of suitable size. (Metal). Each, \$1.00; \$11.00 per doz.

COLLINS OAT SPROUTER

The most practical, quickest growing, perpetual, sectional and fireless Oat Sprouter. The Collins Sprouter is made Sprouter. The Collins Sprouter is made in units, light individual pans, one pan for each day of the week and a drip pan at the bottom.

The production of eggs and the proper development of growing stock depend upon some form of "green stuff", some-thing that is growing, that has life in it. The feeding of sprouted oats is no longer an experiment. Experience has proven time and again its value as a food for stimulating egg production. Oats sprouted in the right manner furnish food most nearly akin to the fresh green growth of spring time, the prolific laying time of the year.

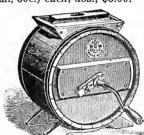
No. 1—5 Pan.....\$4.00 (F/M)



SALT BRICKS

For dairy cows, horses and other animals. Essential to general good health in stables; fastened on the wall it is accessible at all times and remains clean. Per brick, 25c. (by mail, 40c.). \$2.75 per dozen. Salt Brick Holders, 40c.

mail, 50c.) each; doz., \$5.00.



Butter Churn

RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned. can make butter according to the amount of milk or cream on hand. No. 1. 3 gals.....\$4.00 No. 3. 7 gals..... 5.25

PRAIRIE STATE JR. COAL STOVE BROODER No. 1

The Junior is the result of an effort to put a moderately price equipment in the hands of poultrymen who want a good Stove Brooder. It is compact in design, occupies small floor space and



is adaptable to every possible brooding condition. It is fitted not only for permanent installation, but is also portable, so that being installed in one house, after the brooding stage is passed it may be picked up and carried all intact to another house to begin with another flock. It is durable. substantial and low in cost of operation. The cost of operation. stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also. The

canopy is of galvanized sheet steel, hinged in centre, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy and so protected. The device handles flocks of 250 to 1000 or more safely and is adaptable to permanent or portable brood houses. This brooder can be operated at a cost of from 7 to 14 cents per day for coal. Price, complete with equipment, \$25.00.

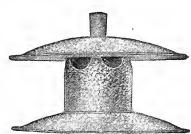
PRAIRIE STATE JR. No. 0 COAL STOVE BROODER

The construction of this is similar to the Junior Coal Stove Brooder No. 1, excepting that it has a new design double control regulator instead of the triple control type. Capacity, 200 to 700 chicks. Price, \$20.00.

PUTNAM BROODER HEATER

This can be used in any home-made brooder. The heater is so constructed that it acts like an open fireplace, carrying the foul air out and drawing the fresh air in, thus providing perfect venti-

lation automatically. Heat is radiated from above onto the backs of chicks, giving the natural and soothing effect of the hen, without the lice. The brooder heater is made of brass and galvanized iron and is practically indestructible. Every brooder heater is accompanied by easily followed directions for building the home-made brooder. Price of heater, \$4.75. (By P. P. \$5.00.)



LITTLE PUTNAM STOVE

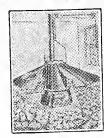
This is used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather. The



stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. Combustion is complete and perfect, doubling the heat value of oil. The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention; the wick never needs trim-

ming. Price, \$2.50. (By P. P., \$2.65.)

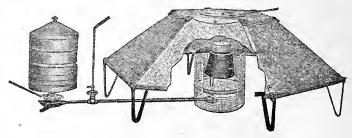
EUREKA COAL STOVE BROODER



This type has a corrugated fire pot claimed to be gas proof; is self regulating and the manufacturer claims you can operate it at a cost of 5 cents per day. It requires no attention except coaling once in 24 or 48 hours, according to weather. The "Eureka" is made in Philadelphia and is sold at a very attractive price because the capacity for manufacturing them is large and conditions favorable. Made in two sizes: No. 10, weight 95 lbs., for brooding 500 chicks, \$21.50; No. 20, weight 117 lbs., for brooding 1000 chicks, \$26.50.

THE HOME HATCHER HOVER

Especially designed to meet the requirements of the raiser of a small flock of poultry. Substantially built and of fireproof construction throughout. With the exception of the legs, the entire hover, including the lamp, is made of heavy galvanized iron: It is fitted with a lamp for which a separate housing is provided. An ideal hover for baby chicks. Capacity, 50 chicks. Price, \$7.00.



NEW SOL HOT BROODER, 1924 MODEL

At last here is the perfect oil-burning Brooder Stove for Canopy Hovers. An oil-burning heater that is so dependable that it practically runs itself, so simple and safe in operation that an 8year old child can take care of it.

The 1924 Model has a Fire Proof Metal Oil Container, thus eliminating fire hazard and reducing operating labor; the metal container has double the oil capacity of the glass bottle and requires

but one operation in filling.

Nothing on the market can compare with the Sol-Hot Burner. It is Wickless, Odorless, Smokeless, and does not even require the use of an asbestos wick or lighter. The new patented All-Metal Vaporizer takes the place of the asbestos wick found on old style burners, which has always been a source of so much trouble and annoyance.

This All-Metal Vaporizer produces an intense blue flame,

without carbon, and never needs trimming or attention.

JUST LIGHT IT AND FORGET IT Won't Overflow—Won't Go Out—Works Automatic

The Just-Rite Valve Control on this burner makes it possible to regulate the flame as high or low as you like. You can light it and go away and forget it, with the positive assurance that it will keep going steadily as long as the oil supply lasts. You can turn it off and relight it in two minutes time.

The illustration shows the new octagon shaped canopy which can be lifted easily and tilted back where it stands on the two back legs so as to clean under it or get at the burner.

You can raise bigger, better, healthier chicks under this oilburning canopy brooder, cheaper and easier than any other way. No cold corners, no crowding and a steady uniform heat at all times.

 Standard, 34
 "
 "
 250
 "
 15.75

 Standard, 44
 "
 "
 500
 "
 18.00

 Standard, 54
 "
 "
 1000
 "
 20.00

Complete descriptive circular on Sol-Hot Brooders free on request.

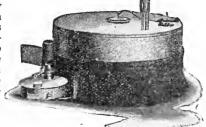
SPECIAL NOTE

We publish a complete Catalogue on Poultry Supplies which is free on application.

PRAIRIE STATE JR. PORTABLE HOVER

Combines all the essentials of the larger brooders in a style and size suited to the small producer or the fancier who wishes to raise small lots separately. While its size and capacity are equal to any

other lamp brooder, yet it is light in weight and may be instantly moved from place to place. Heat is furnished by the Stand-ard Prairie State Lamp set in the center of the hover, the warm, fresh air being diffused by the radiator under the galvanized steel hover top, down upon the chicks. Heat is controlled by the



accurate regulator, and ventilation is assured by a perfect system of air flues. Curtain is of cotton duck; top of hover is insulated with mineral wool. Provides ample nursery space for 50 chicks.

Price, \$10.00.



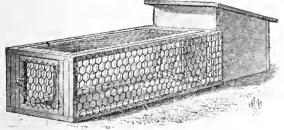
Wignarm Brood Coor

Length Incl. Yard Width

"Wigwarm" Setting and Brood Coops

For a hen and her chicks or while she is setting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—fewer broken eggs. This coop is just the thing for colony raising and has proved its success for many years. Shipped knocked

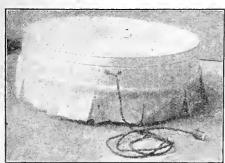
Height	Floor Space .	
of Coop	of Coop	Each
23 in.	$18\frac{1}{2}$ in. x $18\frac{1}{2}$ in.	\$6.50
-		



FARM BROOD COOP

A big, roomy coop that will accommodate a bunch of chicks. Well ventilated; substantially made; shipped knocked down. Made from grooved and tongued lumber, not painted. It is 21 inches wide, 22 inches from front to back, 22 inches high in front, 14 inches in back. The roof is hinged. Then there is a wire run 38 x 21 x 16 inches. The top is hinged. Price, complete, \$6.25.

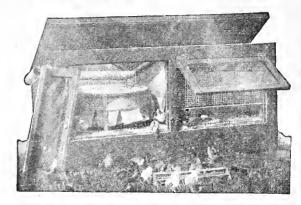
THE HOME ELECTRIC HOVER



An ideal hover for baby chicks. The New Home Electric Hover comes complete; all the operator has to do is to bolt on the three legs, insert necessary lamps, attach the extension cords to the nearest socket, switch on the current and the hover is ready for the chicks. Absolutely fire-proof. Made entirely of galvanized iron, with exception

Comes complete with double curtain suspended from the rim. three legs, necessary lamps and seven foot extension cord. Temperature easily regulated with aid of thermometer.

Dian	n. Chick Capacity	Price
No. 1	\cdot 50	\$10.00
No. 2	125	18.00
No. 3 35 "	250	25.00



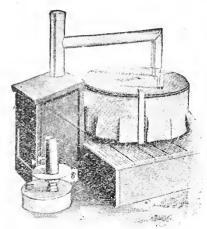
PRAIRIE STATE COLONY HOUSE

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick raising.

When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

To transform the Combination Brooder into a Colony House slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator) Heat Regulator



Universal Hover and Lamp Box for Outside Use

PRAIRIE STATE UNIVERSAL HOVER

As the name of this hover implies, it has a wide or universal sphere of usefulness. In fact, there is practically no limit to its adaptability. It may be used or attached to any form of outdoor brooder that is two feet or more in height; to any size or form of colony house, mushroom house, small portable building, drygoods box, shed, coop, organ or piano box.

Where regular colony houses are used the Universal Hover can

be attached to it until the chicks have been given a good start, and then removed to another for a new brood. It has proven to be thoroughly practical in actual service, giving perfect satisfaction during the coldest winter weather, changeable conditions of spring and the heat of summer.

Complete for outdoor use, with Lamp Case Complete for indoor use, no Lamp Case
Complete for indoor use, with Regulator

SEARCHLIGHT EGG TESTER

A Portable Electric Tester, speedy, accurate; easy to operate. It differs from all other testers, in that the tester is moved over the eggs, instead of the eggs over the tester, thus not only saving the handling of the eggs but the light penetrates at the top where the germ rests, making the tester very effective. Price, style No. 1 fitted with 110 volt lamp, \$5.00.

MICHELL'S POULTRY AND ANIMAL FOODS AND TONICS

Prices of Poultry Food fluctuate constantly and will be quoted on application where prices are not mentioned.

For Bird Seeds and Supplies see Page 185.

Alfalfa Hay. Used as a scalded feed during the winter months.

Alfalfa Meal. For feeding dry or mixing in mash; rich in protein and especially desirable for young birds.

Barley. Principally fed for making feathers, bone and muscle.

Bone (Coarse Ground). For feeding grown fowls, for muscle making, producing eggs and as a digester.

Bone (Fine Grade). For feeding chicks and pullets and using in the mash.

Bran (Wheat). For mash, etc. An excellent egg maker and very nutritious. Can be fed alone or used in a mixture.

Broken Rice. For small chicks and for conditioning stock which has been allowed to become in a run down condition.

Buckwheat. Fed very largely as a change of diet; poultry thrive on it.

Cake Meal. Extensively used for promoting and encouraging moulting; generally mixed in the mash and can be used wet or dry.

Calf Meal (Blatchford's). For weaning calves from cows and taking the place of milk. Fed in liquid form.

Canada Peas. Principally fed to pigeons, when it acts as a bowel regulator. Should not be fed continuously.

Cat Food (Spratt's). Saves the necessity of especially preparing food for tabby. Per large carton, 35c.

Catnip Balls. A plaything and tonic for pussy. 15c. each.

Charcoal. Two grades, fine and coarse. Especially prepared for poultry purposes; disinfects the bowels and tones up the whole system. Usually fed from a hopper alone or used in dry or wet mash. Per lb., 8c. (by mail, 15c.); 35c. per 5 lbs. (by mail, 50c.); 10 lbs., 60c. (by mail, 85c.); \$1.25 per 25 lbs.; 100 lbs., \$4.00.

Chicgrain (Spratt's). Can be used as the staple food from the very day the chick is hatched; claimed to be the most scientifically balanced chick ration.

Chick Food (Michell's). This we regard equal to any of the corn mixed foods; made from clean, wholesome grains, properly balanced and proportioned.

Chick Food (Park and Pollard).

Chick Food (Pratt's). For newly-hatched chicks.

Chick Manna. Comprises a variety of nutritious food and health preserving properties, so proportioned and combined to be peculiarly adapted to promote health, quick growth and strong development. Per lb., 15c. (by mail, 20c.); 40c. per 3 lbs. (by mail, 50c.); 5 lbs., 60c. (by mail, 75c.); \$1.65 per 15 lbs.; 60 lbs., \$6.25; \$9.00 per 100 lbs.

Chick Meal (Spratt's No. 5 and No. 3). For show or prize stock; develops strong, husky specimens.

Condition Tablets (Pratt's). For relieving colds, catarrh, mild cases of roup, etc. 25c. and 50c. per box.

Conkey's Poultry Tonic. To induce the hen to lay more and larger eggs. 25c. per 1½ lb. pkg.; 3¼ lbs., 50c.

Conkey's Starting Food for Baby Chicks. Contains bone and muscle making properties in the highest degree.

Corn Meal (Special Process). Carefully ground and sifted. Suitable for either mash or feeding little chicks.

Cracked Corn. Carefully sifted, fine or coarse; all dirty particles removed.

Cut Clover Hay. Fresh dried clover tops, all rough stems being excluded; excellent for using in mashes and taking the place of green foods.

Developing Food (Michell's). A mixture of grain that is fed from the time chicks are 3 weeks old till they are 3 months old. Desirable also as a scratching litter for young chicks.

Dog Cakes (Spratt's). Dog cakes are made so that they supply every requirement of the dog's need for sustenance. No cooking or mess.

Dog Cakes (Spratt's Oblong).

Fish, Dried Ground. Splendid for egg production. Desirable to feed alone or in a mash.

Gluten Meal. For feeding to both poultry and cows.

Grit. Sharp, ground granite, which is in greatest demand of all grits. Fine, medium and coarse.

Grit (Red Cross Health). Used exclusively for pigeons. Contains a variety of materials, including seeds of some aromatic herbs.

Ground Oats. This makes an excellent dry food when combined with other similar ration.

Growing Food (Park and Pollard). Feed when chicks are developing. Park and Pollard foods are regarded as the best of their respective kinds.

Hemp Seed. Fed largely to pigeons, also to poultry during winter months. If you want to fatten poultry, or hasten the moult, feed hemp; also fine for fattening squabs. Should not however be fed continuously.

Hulled Oats. A splendid food for young chicks, as a change of diet or after they have been hatched a few days.

Kaffir Corn. Makes a fine food for pigeons, also used for poultry. Very good for feeding during the winter months.

Linseed Meal. For feeding with the regular ration during the moulting period; splendid for conditioning birds in preparing to exhibit them.

Mash Food, Laying (Michell's Buttermilk). A carefully balanced article containing all the necessary foods for egg making; also rich in bone, muscle and feather making elements.

Mash Food (Park and Pollard). (Lay or bust). Reputed to be the best mash food on the market.

Mash Food, Chick (with Dried Buttermilk). A specially prepared mash to develop quick growth in young stock.

Meat (Prepared). Very rich in protein. If you want eggs in winter, poultry meat will get them for you, if placed before the fowls where they can eat it at will.

Middlings. An excellent change in combination of a mash; a byproduct of wheat and therefore very valuable.

Millet (For Feeding). Highly nutritious and used extensively for pigeons and young chickens. When fed to old fowls with other foods it brings out the gloss and color of the plumage.

Oat Meal (Pin Head). An excellent food for young chicks after they are a few days old, and may be continued until they are several weeks old.

Oyster Shells. Many people think that oyster shells take the place of grit; this is not so; both must be used when fowls do not have free range. Fine and coarse. State which is wanted when ordering.

Panacea (Poultry Tonic). Made by Drs. Hess and Clark, who have a splendid reputation for making reliable poultry supplies. 1½ lbs., 25c. (by mail, 35c.); 75c. per 5 lbs. (by mail, 90c.); 12 lbs., \$1.50 (by mail, \$1.80); \$3.00 per 25 lbs.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. Especially combined to furnish the peculiar feed requirements of pheasants.

Poultry Food (Spratt's No. 3). An evenly balanced grain ration; a splendid egg producer.

Poultry or Scratch Food (Michell's). An evenly balanced grain ration, for feeding growing and adult fowls.

Poultry or Scratch Food (Park and Pollard). A carefully prepared food.

Pratt's Poultry Regulator. Will help moulting fowls and make them lay sooner; will make turkeys, ducks, geese and pigeons thrive. Price, 8 oz. package, 12c.; 24-oz., 25c. (by mail, 35c.); 50c. per 4 lbs. (by mail, 65c.); 12-lb. bag, \$1.40 (by mail, \$1.70); \$1.65 per 12-lb. pail; 25 lbs., \$3.00; \$10.00 per 100 lbs.

Prepared Pigeon Food. An excellent mixture of grain. Pigeons thrive better on specially prepared feed.

Puppy Cakes Spratt's).

Puppy Cakes (Spratt's Oval).

Salt Cat. A tonic for pigeons. 25c. per brick; per doz., \$2.75.

Sunflower Seed. For poultry, parrots, etc. Fine for a change of ration during the moulting season; also in cold weather as an egg producer.

Vetches or Tares. For pigeon feeding. Asking for quotations.

Vitality Salt (Rigler's). A wonderful builder; keeps fowls strong and healthy; makes chicks grow and mature early. 50c. and \$1.00 per pkg.

MICHELL'S POULTRY REMEDIES, LICE DESTROYERS, 183 DISINFECTANTS, ETC.



Carbola. An improvement on whitewash, combining the features of a cold water paint and disinfectant; will not rub or chop; not a lime product. Per 2 lbs., 30c.; 75c. per 5 lbs.; 10 lbs., \$1.25; \$5.00 for 50 lbs.

Carboletta. A carbolic solution

Conkeus/

per gal. Carbolineum. A poultry house disinfectant, louse and mite destroyer: insures absolute riddance of the pests if applied but

twice a year. Excellent for preserving wood against rot and decay; in gallon cans only. \$1.50 per gal.; 5 gals. for \$7.00. Chemo. A liquid lice killer that will not discolor the plumage of .

white poultry. Per gal., \$2.00. Chicken Pox or Sore Head Remedy (Verdery's). 35c. per 2 oz.

Condition Tablets (Pratt's). 25c. and 50c. per pkg.

Conkey's Canker Special. A wonderful and effective remedy. 50c. per pkg.

Conkey's Cholera Cure. 25c. and 50c. per pkg.

Conkey's Chicken Pox Remedy. 25c. and 50c. per pkg.

Conkey's Gape Cure. For young chicks. 25c. and 50c. per pkg. Conkey's Lice Fix. For destroying mites, lice, etc. 25c. and 50c.

Conkey's Lice Killer (Liquid). For painting roosts, poultry houses, spraying nests and general vermin cleaning, etc. Qt., 60c.: 90c. per ½ gal.; 1 gal., \$1.50.

Conkey's Lice Powder. A sure destroyer. 25c., 50c. and \$1.40 per pkg.

Conkey's Nox-i-cide. A germ destroyer, which will keep the poultry house in a pure, sanitary condition, destroy all germs and drive out the lice and mites. 50c. per pt.; qt., 80c.; \$1.30 for 2 qts.; gal., \$2.00.

Conkey's Roup Cure. The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box.

Conkey's Scaly Leg Remedy. A sure cure. 25c. per pkg.

Conkey's White Diarrhoea Cure. For little chicks; results always satisfactory. 30c. and 60c. per package.

Death to Lice (Lambert's). For dusting fowls and nests. The most effective chicken lice exterminator in existence. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.

Death to Lice Ointment. A salve or ointment used on the heads of newly-hatched chicks. It drives away lice instantly. Easily applied; no mess; no trouble. 10c. and 25c. per box.

Gape Worm Extractors. Two styles: Hallowell, made of German silver and horse hair, 10c. each. Pilling, made entirely of German silver, 25c. each.

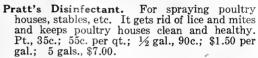
Germozone (Lee's). The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhoea, sore head, gapes, etc. Germozone's greatest value is in preventing sickness. In tablet form, 75c.

Lice Expelling Nest Eggs. These are made of napthaline and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

Licene. Kills chicken lice as if by magic. Put up in tubes; conveniently handled; easily applied. 60c. per tube.

Oculum. For cholera, roup and diarrhoea. May be used on chicks and grown fowls with equal success. 50c. and \$1.00 per

Persian Insect Powder. This is probably the oldest lice expelling powder in existence. 1/4 lb., 35c.; 60c. per 1/2 lb.; lb., \$1.10.



Pratt's Lice Powder. For dusting nests, fowls, chicks, etc.; quickly kills the lice. 12c., 25c. and 50c. per box.

Pratt's Roup Remedy (Pills). For roup, canker, catarrh and diphtheria. As a preventative it is unsurpassed. 25c., 50c. and \$1.00 per box.

Pratt's Sore Head Remedy. A sure, rapid cure for the dreaded disease known as sore head or chicken pox. 30c. and 60c. per box.

Pratt's White Diarrhoea Remedy. For baby chicks; keep the germs of the disease from becoming active by using this remedy. 25c. and 50c.

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.

Spratt's Dog Soap. Entirely free from poison, and at the same time most effective in the destruction of lice and fleas. 25c. per cake.

Sulphur Candles. Large size, 25c. each; per doz., \$2.75. Small size, 15c. each; per doz., \$1.65.

Tobacco Dust. For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 40c.; 60c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 per 50 lbs.; 100 lbs., \$4.75.

Tobacco Stems. For making nests, etc. 15c. per lb.; 5 lbs., 60c.; \$1.00 per bushel; per bbl. bag, \$1.75; in large bales of about 250 lbs., at $2\frac{1}{2}$ c. lb.; per $\frac{1}{2}$ ton, \$17.00; \$32.00 per ton.

Whiting's Roupene. An infallible preventive and sure cure for all cases of roup, canker, diphtheria, chicken pox or sore head, gapes, colds and all diseases of the respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle.

Whiting's White Diarrhoea Remedy. 50c. and \$1.00 per bottle.

Zenoleum Lice Powder. For dusting hens and nests; fine for brooding hens. 35c. per 16-oz. pkg.

Zenoleum Liquid. Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. Zenoleum is a concentrated solution of coal tar. It is mixed

with hot or cold water, making a perfect emulsion that requires no boiling or stilling. 8 ozs., 35c.; 75c. per qt.; ½ gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.



ZENOLEUM VAPORIZING LAMP

A new method of destroying vermin in poultry houses; has the same beneficial effect as spraying except it is accomplished with much less effort and if anything, is more effective. Price for Lamp, 85c. (P. P. 10c. extra).

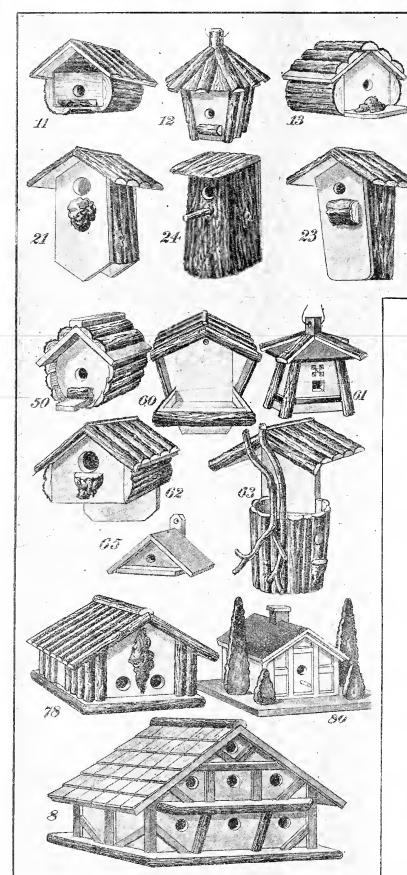
RAT CORN



It mummifies the Rodents, eliminating nauseous odors. It will not kill human beings and is generally not harmful to domestic animals.

One of the most repulsive scourges humanity has to fight is the rat. He has killed millions of human be-

ings by Bubonic Plague infection. He eats and destroys over \$500,000,000 worth of property in the United States alone. He is a constant menace and danger to the human race. RAT CORN is a sure rodent exterminator, but there is no danger of fatalities, accidents or otherwise, and disagreeable odors are unknown. 3 oz. pkgs., 25c.; 8 oz. pkgs., 50c.; 13 oz. pkgs., \$1.00.



Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden and farm or in orchards. As rent, these grateful birds pay amply, destroying millions of insects annually. If you put up bird houses in the autumn or before the birds arrive in the spring you may be able to keep birds with you all winter if you provide them with shelter and food.

Price P.Post

No.		Each	Each
8.	Martin House. 14 room\$2	20.00	
11.	Wren House	1.75	\$1.85
12.	Wren House	1.75	1.85
13.	Wren House	1.75	1.85
14.	Wren or Bluebird House	1.75	1.85
17.	Wren House	1.50	1.60
21.	Bluebird House	1.75	1.85
23.	Wren House	1.75	1.85
24.	Wren House	1.75	1.85
25.	For Woodpeckers, Chickadees, Nut-		
	hatches, etc.	1.75	1.85
28.	Wren House Beautiful	2.00	2.15
5 0.	Wren House. Swinging	1.50	1.60
60.	Robin House	1.75	1.85
61.	Wren House. Swinging	1.75	1.85
62.	Bluebird House	1.75	1.85
63.	Wren and Robin House	2.25°	$\sqrt{2.35}$
65.	Maryland Wren Box	.50	.60
7 8.	Martin House. 4 room	5.00	,
80.	Wren House	2.00	2.10
	The state of the s		

SQUIRREL HOUSE
The trouble with the or-

The trouble with the ordinary squirrel houses is, that all sorts of birds will try to build in them, particularly the sparrow. This house is arranged so that no birds will try to use it, the hole is on the bottom. A narrow passage leads up to another opening leading over into a snug room for the squirrel's storehouse and nesting place. Put high up in crotch of a tree. Price, \$5.50 (by mail, \$6.00).

SPARROW TRAP
(Wire)

Sparrow Trap

We have tried this out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch. \$6.00 each.

It is very important that you make the proper selection of foods for your birds; pure, fresh, clean food is necessary at all times. Our bird seeds are of the highest quality, fresh and recleaned. Your feathered pets will thrive if you get your supplies in this line from us



Bird Manna. Keeps Canary birds in prime condition and prevents the loss of song. Pkg., 15c.
Canary Seed (Plain Sicily).

cleaned and of splendid quality. Per lb., 15c. (by mail, 20c.): 65c. per 5 lbs. (by mail, 80c.); 10 lbs., \$1.15 (by mail, \$1.40).

Canary Seed (Mixed). A mixture of

the finest quality and in proper proportions. Per lb., 15c. (by mail, 20c.); 65c. per 5 lbs. (by mail, 80c.); 10 lbs., \$1.15 (by mail, \$1.40.)

Catnip Balls. A plaything and tonic for pussy. 20c. each. Cuttle Fish Bone. Good for digestion and general health. Each

5c.; 20c. per ¼ lb., per lb., 60c. (by mail, 65c.).

Fish Food. For aquariums. Per pkg., 15c.

Hemp Seed. Birds are very fond of this seed; it is rich and should be fed with discretion. Lb., 15c. (by mail, 20c.); 5 lbs., 70c. (by mail, 85c.); 10 lbs., \$1.30 (by mail, \$1.55).

Lettuce Seed. A slight sprinkle of this is much relished by ca-

naries. Oz., 5c.; ¼ lb., 10c.; 30c. per lb. (by mail, 40c.).

Maw Seed. Calculated to improve the song of canaries, etc ¼ lb., 10c.; lb., 25c. (by mail, 30c.); 5 lbs., \$1.10 (by mail, \$1.25).

Millet Seed (Imported). Recleaned seed; nutritious and appetizing. Lb., 12c. (by mail, 20c.); 5 lbs., 55c. (by mail, 70c.); 10 lbs., \$1.00 (by mail, \$1.25).

Parrot Food (Spratt's). 20c. pkg.: \$2.00 per doz. pkgs.

Rape Seed. Will keep the birds in excellent condition; feed with canary seed. Lb., 15c. (by mail, 20c.); 5 lbs., 70c. (by mail, 85c.); 10 lbs., \$1.30 (by mail, \$1.55).

Sand. For bird cages. Red, fine. Pkg., 10c. (by mail, 15c.); \$1.00 per doz. pkgs.

Sand. Silver, fine. Pkg., 10c. (by mail, 15c.); \$1.00 per doz. pkgs.

Sand or Gravel. Silver; coarse; for parrots' cages. 10c. per pkg. (by mail, 15c.); doz. pkgs., \$1.00.

Song Restorer. For Canaries; revives the desire to be lively and sing more lustily. Price, 15c. per bottle; doz. \$1.50



Sunflower Seed. We are very large handlers of this important food for parrots. Our customesr may depend upon getting a very choice article. 15c. per lb. (by mail, 20c.); 70c. per 5 lbs. (by mail, 85c.); 10 lbs., \$1.35 (by mail, \$1.60); \$3.25 for 25 lbs.

Unhulled Rice. Lb., 20c. (by mail, 25c.): 5 lbs., 75c. (by mail. 90c.); 10 lbs., \$1.35 (by mail, \$1.60).

Prices on Bird Seed in larger quantities quoted on application.

ALPHANO PREPARED HUMUS

"MAKES THE BEST LAWN BETTER"

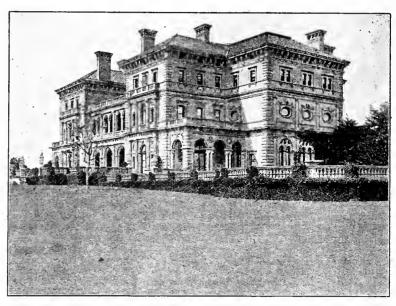
"Alphano" is the original humus, the best when introduced, and still in the lead of sales, and value. It is a pure humus, containing no element of weed seeds, or any foreign substance that will grow. There is no adulterant in it except a few ingredients to bring up the analysis of nitrogen and potash, which materially increases its fertilizing value. An ideal material for incorporating in heavy soils to lighten them, increasing the fertility; for making light soils heavier it is the one and only material that will answer this purpose. As a top dressing for lawns and grass plots it encourages the growth of grass and helps to retain the color especially during hot dry weather. For seashore lawns "Alphano" will transform a bare spot with the application of grass seed in a short while to an emerald green. On lawns and grass plots that are difficult to keep green, frequent applications of Alphano will be found of great benefit. On fairways and golf courses, putting greens and tees, in certain localities, it would be almost impossible to grow and maintain grass in a satisfactory manner without Alphano. There is no rule as to the quantity of Alphano you can apply, the more liberal you are the better and more permanent are

Alphano is clean and easily handled; it is a fine black substance with no odor or mess; it can easily be applied by hand, shovel or sieve; the grass can be walked upon without interference or objection as the material does not adhere easily.

For growing flowers and vegetables to perfection, Alphano is an ideal substance, especially in connection with growing celery and root crops in general; they can be brought to maturity much

quicker when Alphano is used.

The reason many vegetable gardens do not give the maximum of returns is because the soil lacks vegetable matter (Humus), probably one of the most essential needs. Soil without bacteria (organic matter) is not usually very productive and yet that is just the condition soils get into if you pile in only commercial fertilizer and leave humus out. Barnyard manure is extremely scarce now, so that with the combination of commercial fertilizers and humus we get a balanced plant food, which means big crops of early vegetables. You can't introduce weeds into the soil either when you use "Alphano" which is another valuable point. Humus helps to make light soils heavier, and heavy soils more porous, it promotes early, rapid and continuous growth until harvest time. When you



make your hotbed incorporate Alphano into the soil liberally, when you sow peas or beans, plant corn and set out vegetables, let a good big application of humus go into the hole or furrow. Humus is rich in nitrogen, phosphoric acid and potash, it's a natural fertilizer, cannot burn or injure seeds or plants. Buy it by the sack or more; it keeps indefinitely and is mighty handy to have when you want to make a quick application to some plant that is not

Price of Alphano Humus f. o. b. Philadelphia. 5 lbs., 35c. (by mail, 50c.); 60c. per 10 lbs. (by mail, 85c.); 25 lbs., 80c.; \$2.25 per 100 lbs.; 500 lbs., \$10.00; \$15.00 per 1000 lbs.; 2000 lbs., \$25.00.

Price f. o. b. factory, Alphano, N. J., as follows: \$20.00 per ton in bags. Per ton in bulk, carload lots only of about 30 tons, \$10.00 per ton of 2000 lbs. Per ton in bags in carload lots of 20 tons, \$16.00 per ton.

MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE



Ant Exterminator. A powder that is used for distributing around buildings, on greenhouse benches, on lawns, gardens, and any other places infested by ants. Per 1/4 lb., 30c.; 50c. per 1/2 lb.; lb., 80c.; \$3.25 per 5 lbs.

Aphine. For destroying aphis, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. Per ½ pt., 30c.; 45c. per ½ pt.; pt., 70c.; \$1.15 per qt.; per gal., \$3.25.

Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphis, thrip, white and green fly, also red spider. Contains 22½% of nicotine. Guaranteed effective if used within 6 months of the date on the container; each package contains 12 sheets, 33 x 6 inches or 16½ sq. ft.; this is in excess of competitive products, so the Aphis Punk is the most economical products of its light to use (Ferry use in grouph uses only) [2] product of its kind to use. (For use in greenhouses only.) Per pkg. of 12 sheets, \$1.00; \$9.50 per case of 12 pkgs.

Arsenate of Lead (*Paste*). For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds; especially valuable for spraying to prevent the codling moth; dilutes 1 lb. to 25 gals. water. Per lb., 40c.; \$1.75 per 5 lbs.; 10 lbs., \$2.75; \$5.75 per 25 lbs.; 50 lbs., \$10.00; \$18.50 per 100 lbs.

Arsenate of Lead (Powdered). 1 lb. to $1\frac{1}{2}$ lbs. dilutes to 50 gals of water, or may be used dry, like Paris Green. Per lb., 50c.; 5 lbs., \$2.25; \$4.00 per 10 lbs.; \$9.00 per 25 lbs.; 50 lbs., \$15.00; \$27.50 per 100 lbs.

Black Leaf 40. Per 1 oz. bottle, 35c.; \$1.25 per $\frac{1}{2}$ lb.; 2 lbs., \$3.50; \$13.50 per 10 lbs.

Bordeaux Arsenate (Paste). A combined fungicide and insecticide, for fruit trees, potatoes, melons, cucumbers, etc.; also for mildew, black spots, etc., on roses. Per lb., 40c.; 5 lbs., \$1.75; \$3.00 per 10 lbs.; 25 lbs., \$6.00; \$11.00 per 50 lbs.; 100 lbs., \$20.00.

Bordo Lead (Powdered). Has all the advantages of the paste form, but goes farther and is easier to handle. 1 lb., 50c.; \$2.25 per 5 lbs.; \$4.25 per 10 lbs.; 25 lbs., \$9.25; \$16.50 per 50 lbs.; 100 lbs., \$30.00.

Bordeaux Mixture (Paste). Used principally for mildew, blight and fungus diseases that affect potatoes and fruit trees; by adding water it is ready for use. 50 lb. kegs, \$9.00.

Bordeaux Mixture (Dry Form). For dusting plants affected with mildew and all fungous diseases. Per lb., 35c.; \$1.25 per 5 lbs.; 10 lbs., \$2.00; \$4.25 per 25 lbs.; 50 lbs., \$7.50; \$14.00 per 100 lbs.

Borowax. For painting trees to destroy and keep away borers. Per qt., 65c.; \$1.25 per ½ gal.; \$2.00 per gal.

Bug Death. Largely used instead of Paris Green. It is claimed

to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 18c.; 45c. per 3 lbs.; 5 lbs., 75c.; \$1.50 per 12½ lbs.; 100 lbs., \$8.75.

Carbolineum. A germicide and disinfectant for purifying poultry houses, stables, etc. Per gal., \$1.50; \$7.00 per 5 gals.

Clensel. (Paterson's Concentrated). An imported insecticide

and fungicide for greenhouse and outdoor spraying for aphis, thrip, etc. Per pt., \$1.10; \$3.00 per ½ gal.; gal., \$5.00.

Copper Solution. Made of sulphate of copper and other materi-

als. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., \$1.50; \$4.00 per gal. Cyanegg. For generating Hydrocyanic Acid Gas. Claimed to be

the best remedy for killing white fly. Per lb., 85c. Cannot be mailed.

Dalmatian or Persian Powder. For ridding buildings of all kinds of insect pests, particularly roaches, ants, moths and fleas. Per ¼ lb., 40c.; 65c. per ½ lb.; lb., \$1.25; \$5.75 per 5 lbs. Dy-Sect. An effective insecticide, destroying aphis, green fly, red

spider, rose bugs and other greenhouse and outdoor insects. Dilutes 1 part to 30 parts of water. Per 4 oz. bottle, 30c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per ½ gal.; gal., \$6.00. Fish Oil Soap (Good's Caustic). Used extensively as a tree spray

and as a summer remedy for San Jose Scale; it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. Per lb., 25c.; \$1.10 per 5 lbs.; 10 lbs., \$1.85; \$3.75 per 25 lbs.; 50 lbs., \$6.00; \$10.50 per 100 lbs.

Fish Oil Soap. An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders, and almost anything that would be infested with soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb., 15c; 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$3.75; \$6.00 per 50 lbs.; \$10.00 per 100 lbs. Fish Oil Soap (Rosin). Especially recommended for the destruc-

tion of boxwood maggot, bag worm and caterpillars. Per 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$4.50; \$7.50 per 50 lbs.; 100 lbs., \$12.50.

Flyosan. Quickly kills flies and other insect pests; applied with a sprayer. Per pt., 75c.; \$1.25 per qt.; ½ gal., \$2.25; \$4.00 per gal.

Getz there Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 65c.; \$1.75 for 8 lbs.; 25 lbs., \$5.00

Grape Dust. A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., \$1.00; \$1.85 per 10 lbs.

Hellebore. The ideal material for destroying rose bugs, currant

worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. 1/4 lb., 20c.; 35c. per

½ lb.; lb., 60c.; \$2.75 per 5 lbs.

I X L Compound. An English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all

insect pests. Per gal., \$7.50.

Kerosene Emulsion (Liquid) (Miscible Oil). Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Per pt., 50c.; 85c. per qt.; gal., \$2.25.

Lemon Oil Insecticide. The best and cheapest insecticide in

the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Per ½ pt., 35c.; 60c. per pt.; qt., \$1.00; \$1.75 per ½ gal.; gal., \$3.00; \$12.00 per 5-gal. keg.

\$12.00 per 5-gal. keg.

Lime Sulphur. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. Per qt., 55c.; gal., \$1.25; \$4.25 per 5 gals.; ½ bbl. (30 gals.), \$11.50; \$15.00 per bbl. (50 gals.).

Lime Sulphur (Dry Powder Form). Dilute 1 lb. to 6 gals. of hot or cold water. Per lb., 35c.; \$1.40 per 5 lbs.; 10 lbs., \$2.25; \$4.75 per 25 lbs.; 50 lbs., \$7.75; \$15.00 per 100 lbs.



CARBONDALE HYDROMETERS

For testing the gravity of Lime-Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.25.

MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE.

otol. A complete concentrated contact remedy for spraying for Aphis, and many other insect pests, especially of the suck-Lotel. ing species. It is also useful for the dipping of plants before setting out to cleanse and disinfect them. It is of a jelly-like consistency and dissolves readily in hot or cold water. Per 1 oz. tube, 35c.; 75c. per 3 oz. tube; ½ lb. can, \$1.25; \$2.25 per 1 lb.

Mag-O-Tite. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. Per 2 lbs., 40c.; 65c. per 4 lbs.; 8 lbs., \$1.10; \$3.00 per 25 lbs.

Melrosine. An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per 6 oz., 50c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per per ½ gal.; per gal., \$6.00.

Mo Lo. A preparation for destroying and driving away moles. Per pkg., 25c.

Nico Fume (*Liquid*). For use as a spray or vapor, for controlling green fly, aphis, etc., in greenhouses and outdoors. Per ¼ lb., 85c.; \$2.50 per lb.; 4 lbs., \$8.50; \$16.00 per 8 lbs.

Nico Fume Paper. For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets, \$1.50; \$5.75 for 144 sheets; 288 sheets, \$10.50.

Nico Fume Tobacco Powder. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Per lb. can, \$1.35; \$5.00 for 5 lbs.; 10 lbs., \$9.00.

Nicotine (Hall's) (40%). $\frac{1}{2}$ lb., \$1.50; \$4.75 per 2 lbs.; per 8 lb. can, \$16.00.

Nicotine Fumigator (Hall's) $(12\frac{1}{2}\%)$. 1 lb. size, \$1.35; \$2.75 per 2½ lb. size; 10 lb. size, \$9.00.

Nikoteen (30%). One of the very best forms of tobacco or nicotine preparations; usually diluted in water; makes a most satisfactory spray as well as vapor. Per 1 oz. bottle, 25c.; 45c. per 1 34 oz. bottle; ½ lb. bottle, \$1.35; \$2.25 per lb.; 4 lbs., \$7.50; \$13.50 per 8 lbs.

Paris Green. A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound of Paris Green to 100 pounds Land Plaster. Per 1/4 lb..

18c.; 35c. per ½ lb.; lb., 60c.; \$2.75 per 5 lbs.; \$6.50 per 14 lbs.

Para-Dichlorobenzine. For peach tree borers; full directions on each package. Can be used successfully only during August and September, the makers claim it is not effective if used at other seasons. Do not use on very young trees. Ask for descriptive circular. Per 1 lb. can, 65c.; \$2.75 per 5 lb. can; 10 lb. can, \$5.00; \$11.50 per 25 lb. keg; 50 lb. keg, \$21.00; \$38.00 per 100 lb. keg.

Pyrox (Bowker's). A combined insecticide and fungicide for all leaf eating insects, blights and fungus troubles; it is a pasty substance, and needs only to be mixed with cold water. Per lb., 50c.; \$2.00 per 5 lbs.; 10 lbs., \$3.50; \$7.00 per 25 lbs.; 50 lbs., \$12.50; \$21.00 per 100 lbs.; 300 lbs., \$58.50.

Rat Corn. For destroying rats and mice in greenhouses, hotbeds, etc.: not poisonous to other animals, 25c., 50c. and \$1.00 per

Readeana Rose Bug Exterminator. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Harmless to the most delicate plant. 4 oz. can, 25c.; 50c. per 8 oz.; 24 oz.,

\$1.00; \$4.00 per gal.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Per qt., 60c.; \$1.50 per gal.; 5 gals., \$6.45; \$11.00 per 10 gals.; 30 gals., \$27.00; \$39.50 per 50 gals.

Shoo Fly. For keeping flies off cattle and horses; used with a

spray or a sponge; the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 50c.; \$1.50 per gal.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. Per 1-lb. canister, 18c.; 60c. per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$11.00; full barrel lots (about 250 lbs.), 10c. per lb.

Soap Spray (Imp). An all around outdoor and greenhouse insecticide. Per pt., 65c.; \$1.00 per qt.; gal., \$3.00; \$12.00 per 5 gals.; 10 gals., \$22.50.

Sodium Cyanide. (See Cyanegg.)

Sulco V. B. Will control San Jose and other scale insects, and many species of plant lice and fungus diseases. Pt., 35c.; 60c. per qt.; ½ gal., \$1.10; \$2.00 per gal.; 5 gal., \$7.00.

Sulphate of Copper. For destroying fungus diseases of all kinds: also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds sulphate of copper to 6 pounds lime, which is diluted in 50 gallons of water. Per lb., 15c.; 65c, per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$10.00.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale, when it is used in connection with lime and salt. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$2.00 per 25 lbs.; 100 lbs., \$7.50.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 25c. each; per doz., \$2.75: small, 15c. each; per doz., \$1.65.

Thrip Juice (Hammond's No. 2). This preparation is very effective against aphis, red spider, mealy bugs and sucking insects generally. Per pt., 85c.; \$1.40 per qt.; gal., \$4.25.

Tobacco Dust (for dusting only). Excellent for lettuce and other plants to destroy soft, creeping insects. Per 1 lb. can with sifter top, 25c.; 40c. per 5 lbs.; 10 lbs., 60c.; \$1.35 per 25 lbs.; 50 lbs., \$2.50; \$4.75 per 100 lbs.

Tobacco Dust (special dusting or fumigating). A specially prepared article. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.

Tobacco Dust (Extra Funigating). Very strong in nicotine; rapid burning; gives off dense clouds of smoke. Per 5 lbs., 75c.; \$1.35 per 10 lbs.; 25 lbs., \$3.00; \$10.00 per 100 lbs.

Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur; fine for washing and spraying plants; dissolve in warm water. Per 3 oz., 15c.; 25c. per 6 oz.

Tobacco Stems (Fresh). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 15c.; 60c. per 5 lbs.; bushel, \$1.00; \$1.75 per bbl. sack; large bales at $2\frac{1}{2}$ c. per lb.; $\frac{1}{2}$ ton, \$17.00: \$32.00 per ton.

Tobacco Stems (Shredded). For mulching flower beds, top dressing lawns, etc.; acts as a fertilizer as well as an insecticide. Per 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 per 500 lbs.; 1000 lbs., \$25.50; \$50.00 per ton.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 50c.; \$2.40 per 5 lbs.; 10 lbs., \$4.50; \$8.75 per 20 lbs.; 25 lbs., \$9.25.

Wilson's O. K. Plant Spray. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc., for inside and outside spraying. Per gal., \$3.25.

Worm Killer (Michell's) (for earth worms). This is a powder and is distributed ever a given surface and scaled with water, which

is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer. Per 100 lb. bag, \$6.00; \$27.50 per 500 lbs.; 1000 lbs., \$47.50; \$90.00 per 2000 lbs.

Worm Eradicator (Reade's Electric). This has been found to

effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or

among trees. \$1.00 per 24 oz.; gal., \$4.25. Zenoleum. A germicide and disinfectant. Endorsed by fortyfour State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Per $\frac{1}{2}$ pt., 35c.; 75c. per qt.; $\frac{1}{2}$ gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.

Lamps for Vaporizing Nicotine Solutions. 85c. each.

SPRAY FORMULA

Recommended for the control of the Japanese Beetle.

1 lb. Arsenate of Lead Paste.

1 gal. New Orleans Molasses.

Mix the above thoroughly, stirring well in 25 gals. of water and apply as you would any spray material.

MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE.—No smaller quantity of Fertilizer than here offered can be supplied.



All prices on Fertilizers subject to market changes.

Acid or Rock Phosphate (16%). Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200 lb. sacks only. \$3.25 per 200 lbs.; ½ ton, \$13.50; \$23.00 per ton.

Alphano Inoculant. A soil bacteria used in growing legumes, thereby increasing the crop and enriching the soil. It comes in a finely powdered form, making it easy to use. 1-acre size (2 lbs.), \$1.00; per 10-acre size (20 lbs.), \$8.00.

Anti-Clover Fertilizer (Michell's). The use of this on golf courses and putting greens is highly recommended as it prevents the growth of white clover which is very unessential on golf courses. Analysis: Ammonia, 8%; phosphoric acid, 2%; potash, 1%; 200 lb. bags only. \$8.00 per 200 lbs.; 1000 lbs., \$37.00; \$72.00 per ton.

Ashes, Hard Wood. Apply 1000 lbs. per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in very early spring or late fall. Per 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.25 per 200-lb. bbl.; 1000 lbs., \$18.00; per ton, \$35.00.

Asparagus Fertilizer. A mixture that promotes the root and top growth. Apply 800 lbs. per acre. 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200 lbs.; 1000 lbs., \$22.50; ton, \$40.00.



Bacteria, Farmogerm. An extensively advertised preparation for inoculating legumes prior to sowing or planting. Be sure and state crop the Farmogerm is desired for when ordering. Price, trial size (for Beans, Peas and Sweet Peas), 50c.; 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00.

Bacteria, Mulford Culture. For inoculating clovers and other legumes, such as beans, peas and such other plants that have blossoms similar in shape and form to the above named. When ordering please state for what crop

tiself please state for what crop you desire to use it. 35c. per trial bottle; 1/4 acre size, 75c.; \$1.50 per acre size; 5 acre size, \$5.00.

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.75; \$12.00 per 200 lbs.

Blood Flour. Very finely bolted. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.25; \$14.00 per 200 lbs.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows: 10c. for 2 lbs.; 15c. for 3 lbs.; 25c. for 10 lbs.

Bon Arbor. A concentrated chemical fertilizer to be used in liquid or powder form, according to directions on package. Dilute 1 lb. to 30 gals. water. 65c. per lb.; 5 lbs., \$3.00.

Bone (Coarse Ground). Apply 800 to 1000 lbs. per acre. Prepared from raw bone, exactly like bone meal, except that it is not so fine or quick in action; it is used for the same purpose. 200 lb. bags only. \$8.50 per 200 lbs.; 1000 lbs., \$37.50; \$70.00 per ton.

Bone Flour. Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$8.50 per 200 lbs.; 1000 lbs., \$37.50; \$70.00 per ton.

Bone Meal (Michell's Special Grade). Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.40 for 25 lbs.; 50 lbs., \$2.50; \$4.00 per 100 lbs.; 200 lbs., \$7.50; \$32.50 per ½ ton; ton, \$60.00.

Carnation Food (Springfield). An evenly balanced food which invigorates the root action of the plants and produces a natural growth; hence the stem and calyx are strengthened in all seasons, the lasting quality of the flowers lengthened and the color intensified. Per 100 lbs., \$6.50.

Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Per 28-lb. sack, \$4.00; \$7.00 per 56-lb. sack.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28 lbs., \$3.75; \$6.25 per 56 lbs.; 112 lbs., \$12.00.

Cotton Seed Meal. Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.25; \$7.75 per 200 lbs.; 1000 lbs., \$36.00; \$70.00 per ton.

Cow or Cattle Manure (Shredded). One sack of this is equal to one cartload of cow manure in regular form. Convenient to handle, making it possible for everyone to get this usually scarce article at all times. Especially suited for soil mixing, mulching and liquid manuring. Apply 1000 lbs. per acre. \$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per 1000 lbs.; ton, \$55.00.

Cow or Cattle Manure (*Pulverized*). Thoroughly sterilized and weedless. Quick in action and especially desirable for pot plants, etc. \$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per 1000 lbs.; ton, \$55.00.

Grass and Grain Fertilizer (Michell's). A splendid mixture for top dressing wheat, rye, timothy and grass fields. Apply 800 to 1000 lbs. per acre. 200 lbs. for \$5.50; \$25.00 per 1000 lbs.; per ton, \$45.00.

MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE.—No smaller quantity of Fertilizer than here offered can be supplied.

All prices on Fertilizers subject to market changes.

Grass Grower (Michell's Odorless). This is a complete balanced fertilizer for lawns, grass plots, fairways and putting greens. It is complete in every way and will produce wonderful results. Analysis, Ammonia, 7%; phosphoric acid, 8%; potash, 1%. In convenient friction top cans 10 lbs. net, handy to have about for top dressing, \$1.00 each; 200 lb. bags, \$7.50; \$37.00 per 1000 lbs.; per ton, \$70.00.

Hog Manure (Pulverized). Put up and sold in 100-lb. bags only;

splendid for forcing vegetables and flowering plants, increasing size and yield. Per 100 lbs., \$3.75; \$16.50 for 500 lbs.

Horn Shavings. Used principally for mixing in potting soil; is rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.00; \$3.75 for 50 lbs.; 100 lbs., \$7.00.

Humus (Alphano). An excellent article to incorporate with poor

soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with $\frac{1}{2}$ to 2 in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. Price, f. o. b. Philadelphia, 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs. for 80c.; \$2.25 per 100 lbs.; 500 lbs., \$10.00; \$15.00 per 1000 lbs.; 2000 lbs., \$25.00. F. o. b. Alphano, N. J., per ton in bags less carload lots, \$20.00 per ton; per ton in bags in carload lots (20 tons), \$16.00 per ton; per ton in bulk in carload lots about 30 tons, \$10.00 per ton; Humus (Natural). Not a prepared or chemical fertilizer but pure

vegetable Humus, that has been decayed. Excellent for top dressing lawns; especially adapted to golf course construction and compost for golf greens; also valuable for the garden and for pot plants. Price, in car lots only, \$6.00 per ton, f. o. b. Alphano, N. J.

Kainit (Potash Salts). Apply 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains; also for top dressing asparagus beds, etc. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 90c.; \$1.50 per 100 lbs.; 200 lbs., \$2.75; \$12.00 per 1000 lbs.; ton, \$22.00. Land Plaster. Used for top dressing newly plowed land prior to

harrowing and for sweetenting the soil on lawns and fields; also used for mixing with Paris Green. Apply 1500 to 2000 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 85c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00; \$3.75 for 200 lbs.; ½ ton, \$16.00; \$30.00 per ton.

Lawn Sand. A weed destroyer as well as a fertilizer; contains a large percentage of nitrogen. Will be found very valuable for lawn use. For best results follow the directions on the package. 3½ lb. tin, 75c.; \$1.35 for 7 lbs.; 14 lbs., \$2.50; \$4.00 per 28 lbs.; 56 lbs., \$6.50; \$12.50 per 112 lbs.

Lime (Hydrated or Powdered). This is a very fine article for distributing on grass. Promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. apply one ton per acre. 45c. per 10 lb. box; 125 lb. sack, \$2.25; \$8.00 per 500 lbs.; 1000 lbs., \$14.00; \$27.00 per ton.

Limestone (*Pulverized*). For applying on sour or worn out soils at the rate of 1 ton per acre. Put up in 100-lb. bags. \$1.50 per 100 lbs.; 500 lbs., \$6.00; \$10.00 per 1000 lbs.; ton, \$17.50.

Manure (Fresh Horse, Stockyard and Cow). At short notice we

can usually supply first-class horse, cow and stockyard manure

in carloads lots only. Prices on request.

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc.

other fertilizers. Excellent for potatoes, corn, grains, etc.

Analysis, equal to 50 per cent. actual potash. 5 lbs., 45c.; 75c.
per 10 lbs.; 25 lbs., \$1.50; \$2.50 for 50 lbs.; 100 lbs., \$4.75;
\$8.00 for 200 lbs.; 1000 lbs., \$37.00; \$70.00 per ton.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with
land plaster or other fertilizers to render application more easy.
Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 5 lbs., 45c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$4.75; \$9.50 per 200 lbs.; 1000 lbs., \$45.00; \$80.00 per ton.

Phosphate (Michell's High Grade). For all vegetable crops, grains, grass, etc. Apply 800 to 1000 lbs. per acre broadcast. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.50 per 200 lbs.; ½ ton, \$22.50; \$42.50 per ton. Phosphate for Corn (Michell's). Apply 800 lbs. per acre. This

contains the necessary ingredients to produce a bumper crop of either field or sugar corn. \$5.00 for 200 lbs.; per ½ ton, \$21.00; \$38.00 per ton.

Plant Life (Zenke's). A liquid plant food, tonic and fertilizer. It contains in concentrated form the elements of plant food in proper proportion for absorption by the plant. Per 8 oz., 30c. (by mail, 35c.); \$3.50 per gal.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows: 10c. for 2 lbs.; 15c. for 3 lbs; 25c. for 10 lbs.

Plant Food (Michell's). A highly concentrated chemical fertilizer for house, garden or conservatory. Clean, odorless and producing early and abundant blossoms of rich and brilliant color. and healthy, luxuriant plants. Analysis: Nitrogen, $2\frac{1}{2}\%$; avaliable phosphoric acid, 7%; potash, 2%. Per 5 oz. pkg., 20c. (by mail, 25c.); 30c. per 12 oz. pkg. (by mail, 35c.). Potato Fertilizer (*Michell's*). Apply at the rate of from 800 to 1000 lbs. per acre. The principal fertilizer for potatoes in this

section, being especially compounded for this purpose. 25 lbs.,

\$1.25; \$2.00 per 50 lbs.; per 100 lbs., \$3.00; \$5.50 per 200 lbs.; per ½ ton, \$25.00; \$45.00 per ton.

Poudrette (Native Guano). For top dressing lawns, vegetable and flower gardens. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.25; \$4.25 per 200 lbs.; 1000 lbs.,

\$1.30 per 30 lbs.; 100 lbs., \$2.20, \$2.20 per 200 lbs., 1000 lbs., \$20.00; \$37.50 per ton.

Poultry Manure (Pulverized). A splendid fertilizer rich in ammonia and nitrogen, very quick in action, but should be used cautiously. Per lb., 15c.; 25c. per 2 lbs.; 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.50.

Rose Food (Springfield). Rich in nitrogen, phosphates and potash, the vital fertilizing elements for roses. It is compounded from organic materials, rich in humus and contains the life-giving elements in the correct proportions to make it an ideal food for roses. Per 100 lb. bag, \$5.00.

Salt. For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 25 lbs. for 75c.; \$1.25 for 50 lbs.; \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00

per 1000 lbs.; ton. \$25.00.

Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, shows it to be a perieculy balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 2 lbs., 25c.; 40c. per 5 lbs.; 10 lbs., 65c.; \$1.25 per 25 lbs.; 50 lbs., \$2.00; \$3.50 per 100 lbs.; 500 lbs., \$16.50; \$30.00 per 1000 lbs.; per ton, \$55.00.

Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.00; \$7.00 per 112 lbs.

Stim-U-Plant. A plant food in tablet form; contains highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants, and may be used in tablet or in liquid form. Per pkg. of 30 tablets, 25c. (by mail, 30c.); 75c. per pkg. of 100 tablets (by mail, 85c.); 1000 tablets, \$3.50 (by mail, \$3.65).

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.00; \$10.00 per 200 lbs.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis equal to 50% of actual potash. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$9.00 per 200 lbs.

Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75

per 200 lbs.

Tobacco Stems. For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the potash. 60c. for 5 lbs.; per bu., \$1.00; \$1.75 per bbl. sack; in large bales at 2½c. per lb.; per ½ ton, \$17.00; \$32.00 per ton.

Tobacco Stems (Shredded). For mulching flower beds, plant benches, top dressing lawns, etc.; acts as an insecticide as well as a fertilizer. 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 per 500 lbs.; 1000 lbs., \$25.50; \$50.00 per ton.

Wheat Fertilizer. For grass and grain crops. Apply 800 lbs. per acre. \$5.25 per 200 lbs.; ½ ton, \$23.75; \$45.00 per ton.

Wood Ashes. See ashes at top of opposite page.

MICHELL'S FLOWER POTS, TUBS, ETC.

Orchid Pan

Earthen

Fern Dish

Seed Pan

Wood Fibre



Cedar Tub

Keystone Tub

Earthen Flower Pot Azalea Pot Earthen Bulb Pan Earthenware

Wood Fibre Saucer

Rolling Stand

CEDAR TUBS

Equipped with Strong Iron Handles

These are made by hand, of the very best white cedar, painted green, bound with black

iron noops.	Inside Diam.	Each
No. 0	$24\frac{3}{4}$ in.	\$11.15
No. 1	$23\frac{3}{8}$ "	9.90
No. 2	$21\frac{3}{8}$ "	8.85
No. 3	1811 "	7.20
No. 4	$16\frac{1}{2}$ "	5.85
No. 5	$\dots 14^{\frac{7}{15}}$ "	5.50
No. 6		4.20
No. 7		3.70
No. 8		3.20

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 30c. per pair, not attached to

separately at	30c. per pair, not atta	ched to
tub.	Inside Diam. Depth	Each
No. 1	6 in. 6 in.	\$0.70
No. 2		.75
No. 3		.80
No. 4		.85
No. 5		.95
No. 6		1.25
No. 7	12 " 11 "	1.50
No. 8	13 " 12 "	1.90
No. 9	14 " 13 "	2.20
No. 10	15 " 14 "	2.35
No. 11	16 " 15 "	2.70
No. 12	17 " 16 "	3.15
No. 13	18 " 17 "	3.75
No. 14	19 " 18 "	4.50

PAPER FLOWER POTS

Ins.		P.Post		P.Post	
Diam.	Doz.	per doz.	100		1000
$2\frac{1}{4}$	\$0.12	\$0.17	\$0.50	\$0.60	\$4.45
$2^{\frac{1}{2}}$.15	.20	.60	.70	5.15
3	.18	.23	.80	.90	7.05
$3\frac{1}{2}$.20	.25	1.00	1.10	9.15
4	.25	.30	1.30	1.45	11.40
5	.30	.35	2.00	2.20	17.75
6	.45	.55	2.70	3.00	21.75

AZALEA POTS

		 	~	
Diam.	Depth	Each	Doz.	100
5 in.	$4\frac{1}{2}$ in.	 . \$0.07	\$0.65	\$4.86
6 "	5 "	 09	.98	7.29
7 "	6 "	 15	1.62	12.15
8 "	7 "	 22	2.34	17.55
9 "	71/2 "	 33	3.60	27.00
10 "	8 "	 45	4.86	36.45
12 "	10 "	 91	9.90	74.25

FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries.

Width Depth Each Doz. 100

SE	ED	PANS	(Earthe	enwar	e)
viain 7 in.		$\frac{1}{2}$ in.	\$0.22	\$2.16	

	EA	RTF	IEN-	BUL	B PA	NS	
12	"	"			1.6	5 18.0	0(
10	"	"			1.3	8 15.1	2
8	"	- "			1.1	1 12.0)6
6	inches	squar	e		\$0.8		
					Eac.		

Each Doz.	100 \$7.29	
	¢7 20	
6 inches diam\$0.09 \$0.98	\$1.40	
7 " "15 1.62	12.15	
8 " "22 2.34	17.55	
9 " "33 3.60	27.00	
10 " "45 4.86	36.45	
12 " "91 9.90	74.25	
14 " " 1.48 16.20	121.50	

WOOD	FIBRE F	LOWI	ER VA	ASES
14		1.48	16.20	121.50

No.	Diam.	\mathbf{Depth}	Each P.Post Doz.
0	8 in.	13 in.	\$1.65 \$1.80 \$18.60
1	$5\frac{1}{2}$ "	10 "	1.40 1.50 16.20
2	4 1/2 "	9 "	1.25 1.35 14.40
3	4 "	6 "	1.10 1.20 12.60
4	3 "	4½ "	.90 1.00 10.20
1	5 "	18 "	1.95 2.10 22.00
22	41/2 "	15 "	1.75 1.85 20.00
33	4 "	12 "	1.60 1.70 18.00
14	3 "	9 "	1.25 1.35 14.00

CUT FLOWER VASES (Galvanized Iron)

Top Diam.	Depth	Cap.	Each
$7\frac{1}{2}$ in.	8 in.	8 Qt.	\$0.50
834 "	10 "	10 "	.65
73/4 "	12 "	12 "	.75
83/4 "	12½ "	14"	.85
83/4 "	18 "	16 "	1.00
	7½ in. 8¾ " 7¾ " 8¾ "	7½ in. 8 in. 8¾ " 10 " 7¾ " 12 " 8¾ " 12½ "	7½ in. 8 in. 8 Qt. 8¾ " 10 " 10 " 7¾ " 12 " 12 " 8¾ " 12½ " 14 "

EARTHEN FLOWER POTS

Emaile Teomer 1015							
Heigh	Height and						
Widt	h insi	de :	Each	Doz.	100	1000	
1	inch.		\$0.02	\$0.17	\$1.22	\$11.48	
2	"		.02	.18	1.02	9.56	
$2\frac{1}{4}$	".		.02	.18	1.16	10.84	
$2\frac{1}{2}$	"		.02	.18	1.35	12.75	
3	"		.03	.24	1.76	16.58	
31/2	"		.03	.29	2.16	20.40	
4	"		.04	.36	2.70	25.50	
41/2	"		.06	.49	3.65	34.43	
5	"		.07	.65	4.86	45.90	
51/2	"		.08	.81	6.08	57.38	
6	"		.09	.98	7.29	68.85	
61/2	"		.13	1.30	9.72	91.80	
7	"		.15	1.62	12.15	01.00	
8	"		.22	2.34	17.55		
9	"		.33	3.60	27.00	111111	
10	"		.45	4.86	36.45		
11	" .		.66	7.20	54.00		
12	"		.91	9.90	74.25		
14	"		1.48	16.20	121.50		
1.2			1.40	10.20	121.00		

EUREKA POT HANGERS

20c. each; doz., \$2.00 (by mail, \$2.10); \$12.50 per 100.

KRICK	POT	H	AN	GEI	RS
		77	- 7	-	-

37			P.Post
No. 1			
No. 2	08	.80	.90
No. 3	09	.90	1.00

WOODEN ORCHID BASKETS

4 inch\$0.50 \$5.00 0 "		(Squa	re)	
2 1.00 10.00	"	· · · · · · · · · · · · · · · · · · ·	Each\$0.5075	Doz. \$5.00 7.50 10.00

18					.55	5.50
10	"				.75	8.00
12	"	"			1.25	12.00
	E	EARTH	IEN	FERN	PANS	
Wid	th	Heig		Each	Doz.	100
4	in.	$1\frac{7}{8}$ i	n.	\$0.06	\$0.54	\$4.05
± 74	"	$2\frac{1}{8}$	"	.07	.72	5.40
51/2	"	$2\frac{1}{4}$	"	.09	.90	6.75
$6\frac{1}{4}$	"	$2\frac{1}{2}$	"	.10	1.08	8.10
7	"	$2\frac{5}{8}$	"	12	1.26	9.45
61/4 7 8 9	46	$3\frac{3}{8}$	"	.17	1.80	13.50
9	"	$2^{\frac{5}{8}}$ $3^{\frac{3}{8}}$ $3^{\frac{1}{4}}$	"	.20	2.16	16.20

EARTHENWARE SAUCERS

								Each	Doz.		100
4	inches							\$0.03	\$0.27	9	32.03
5								.04	.36		2.70
6								.06	.54		4.05
7								.07	.72		5.40
8	"							.10	.99		7.43
9	"							.14	1.35	1	0.13
10	"							.15	1.62	1	2.15
11								.19	1.98	1	4.85
12								.23	2.43	i	8.23
14								.37	4.05	3	30.38

WOOD FIBRE SAUCERS

•			-	_		_	-	_	-		- ~				
;	Ex	tren	nely	7	$d\epsilon$	si	ra	ak	ı	е	on	acc	count	of	being
ļ	absol	utel	уv	a	te:	rp	r)(f.				P.Po	st	_
•	-		•			-		Ī			Ea	\mathbf{ch}	each	1	Doz.
3	5 in	ches	S								\$0.	32	\$0.3	8	\$3.60
)	6	"										34	.4	0	3.90
)	7	"										37	.4	3	4.20
;	8	"										39	.4	.5	4.50
1	9	"										43	.4	9	4.90
3	10	"										46	.5	2	5.30
	12	"	٠									55	.6	3	6.30
1	14	"										74	.8	2	8.40
ı	16	"									1.	31	1.4	1	15.00
١	18	"									1.	52	1.6	2	17.40
1	20	"									1.	95	2.0	7	22.00

NOTE.—Earthenware cannot be packed for shipment by Parcel Post.

MICHELL'S BOOKS ON AGRICULTURE, HORTICULTURE, POULTRY, ETC., AND MATTERS PERTAINING THERETO



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Gardening for Pleasure. A guide to the amateur in the	
fruit flower and vegetable garden: 404 nages	2.00
fruit, flower and vegetable garden; 404 pages	00
276 name	2.00
376 pages	2.25
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	6.50
	$\frac{0.50}{2.50}$
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Lanuscape Gardening (Maynard)	2.00

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Peas and Pea Culture (Sevey)	.50
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Practical Book of Outdoor Rose Growing (Thomas)	2.00
Practical Floriculture (Underson) 207 and	7.50
Practical Floriculture (Henderson). 325 pages.	2.00
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home rose grower; 245 pages	3.00
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Soils (Burkett). 300 pages	1.75
Spraying Crops (Weed). 140 pages	.90
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destroying insects and fungi. By Lodeman	1.00
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Vegetable Gardening (Watts). 511 pages	1.75
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Water Gardening, Book of (Bisset)	3.50
Wheat Culture (Curtiss)	.50
Wild Flower Book for Young People (Lounsberry)	2.50
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BOOKS ON POLITRY AND ANIMALS

Bootle of Toolitt Into Intimize	
A. B. C. of Bee Culture (Root). 856 pages	3.00 1.00 50
Campines, The. A complete book on this beautiful fowl;	.50
88 pages	.75
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Flocks. 176 pages	2.00
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duction. 112 pages	1.50
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rijanaceos, mie (dierenbeede). mistranis. 100 pages	1.00

Make Your Garden Pay

IT COSTS NO MORE—takes no more work—to get maximum results out of your lawn and garden-making than is expended on half-way satisfactory and unprofitable planting. The time you lose—the seed you waste—your failures and disappointments—will more than pay for feeding your soil all that it needs to make the flowers bloom luxuriantly, grow vegetables of unusual size and flavor, and to have fruits that will delight your table. You can have all of these by using—

WIZARD Sheep Manure

PULVERIZED—convenient—every weed seed destroyed—a natural fertilizer that supplies both the plant food and humus your soil needs in the ideal form for Nature to work with.

Every experienced gardener uses all the manure he can get because nothing else puts so much life and fertility into his soil. Sheep Manure is the richest and best of all animal manures and WIZARD gives you the equivalent of a whole wagon load of stable manure in a hor

in a bag.
WIZARD Sheep Manure comes from
the Great Western sheep feeding stations and is prepared through an extensive process of drying, sterilizing
and grinding into a convenient natural
fertilizer. Every weed seed is destroyed
by the intense heat of the driers and
this makes WIZARD safe for the
finest landscape work.

Use WIZARD BRAND just once and know the convenience of it and the success it will bring to your gardening and you will never plant again without it. Feed your soil liberally.

For Lawn Making

WIZARD Sheep Manure is the most effective and satisfactory of all lawn fertilizers. It promotes a strong, healthy turf, of beautiful color—is easily applied by anyone, and brings no weed seeds. Use 10 pounds for each 100 square feet, scattered one-half before spading and the remainder immediately after. Rake down to a smooth finely pulverized surface. Then sow one-half your seed from north to

south, remainder from east to west to obtain uniform distribution, roll or press down firmly with back of a spade, water thoroughly and results will surprise you.

An old Iawn should have a dressing of 6 to 8 pounds of WIZARD to each 100 square feet, applied broadcast in the early spring and fall because the turf absorbs all its nourishment out of the shallow top soil very rapidly. This treatment, with an occasional addition of some new seed, will insure an attractive lawn year after year and avoid the unsightly appearance of the old time manure littered grounds.

Flower Gardens

The best manure you can use. Nothing will make such colors and foliage. It's just what Nature needs to make big, strong, healthy plants. Dig it deeply into garden soil and then mix a small handful with the soil in planting each bulb, and more, depending upon size in setting shrubs, vines and trees. Rake it into top soil before planting seed in rows or hills. Ten pounds for each 100 square feet is all you require.

For planting in pots or window boxes, use one pound of WIZARD thoroughly mixed with each cubic foot of earth—or a pound in 5 gallons of water set over night for liquid dressing. WIZARD is far better than a chemical stimulant because it is a natural plant food

Vegetables and Fruits

Used on everything in the vegetable garden the same as above. WIZARD forces quick, rapid growth, improves the color and size, makes crisp, juicy fruits and increases production wonderfully. WIZARD Sheep Manure is Nature's fertilizer and it does make Nature hustle. A light side dressing during the growing season can be worked in along the row or around the hills while cultivating. Small fruits, berries, etc., and the larger vegetable plants respond wonderfully for this extra feeding.

Conveniently Packed

WIZARD comes in all sizes for all needs. As easy and clean to handle as grain. Use it for all purposes from a potted plant to a field of any acreage.

2 lbs \$0.25	100 lbs, \$3.50
5 lbs	500 lbs16.50
10 lbs65	1000 lbs 30.00
25 lbs 1.25	2000 lbs55.00
50 lbs 2.00	

If wanted by parcel post, add 10c. for 2 lbs.; 15c. for 5 lbs.; 25c. for 10 lbs. for postage; larger quantities by express or freight.



WIZARD Cow Manure Shredded—for mulching and top dressing. Pure Cow Manure from Chicago Stock Yard cattle pens. Dried and sterilized by the WIZARD direct heat process and packed in coarse shredded form. Cow manure is especially valuable in light sandy soil and for roses, ferns, etc., because it is a slow, cool acting manure. Largely used in preparing soil for growing flowers and vegetables in

greenhouses and for top dressing benches. Excellent for liquid manuring.

Pulverized—is shredded Cow Manure continued through the grinding process to produce a finely ground product. Cow Manure is packed in 100 pound bars only.

100-pound bags only. **Prices**—\$3.50 per 100 lbs.; 500 lbs. \$16.25; \$30.00 per 1000 lbs.; ton \$55.00.

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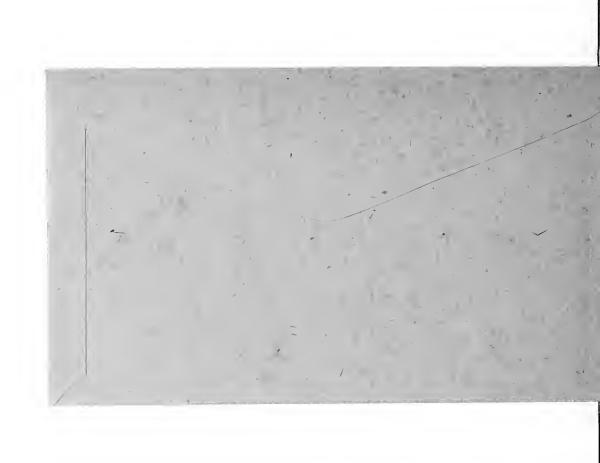
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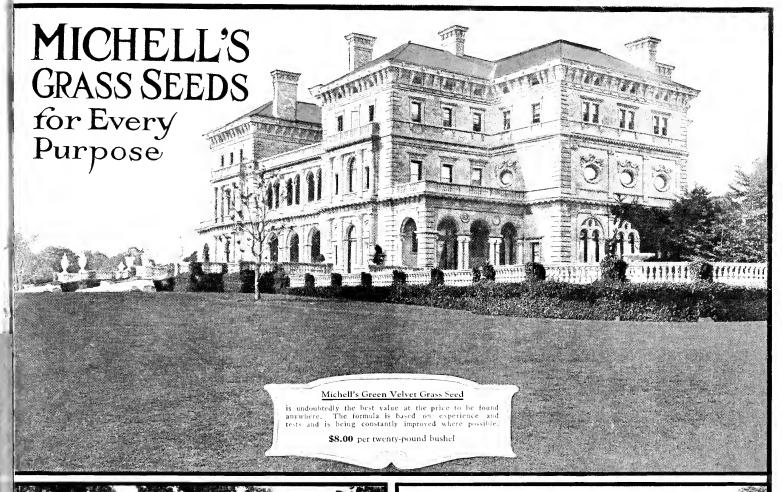
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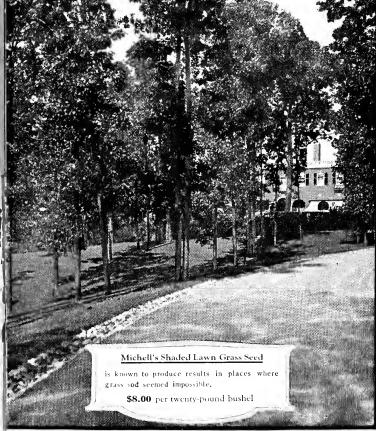
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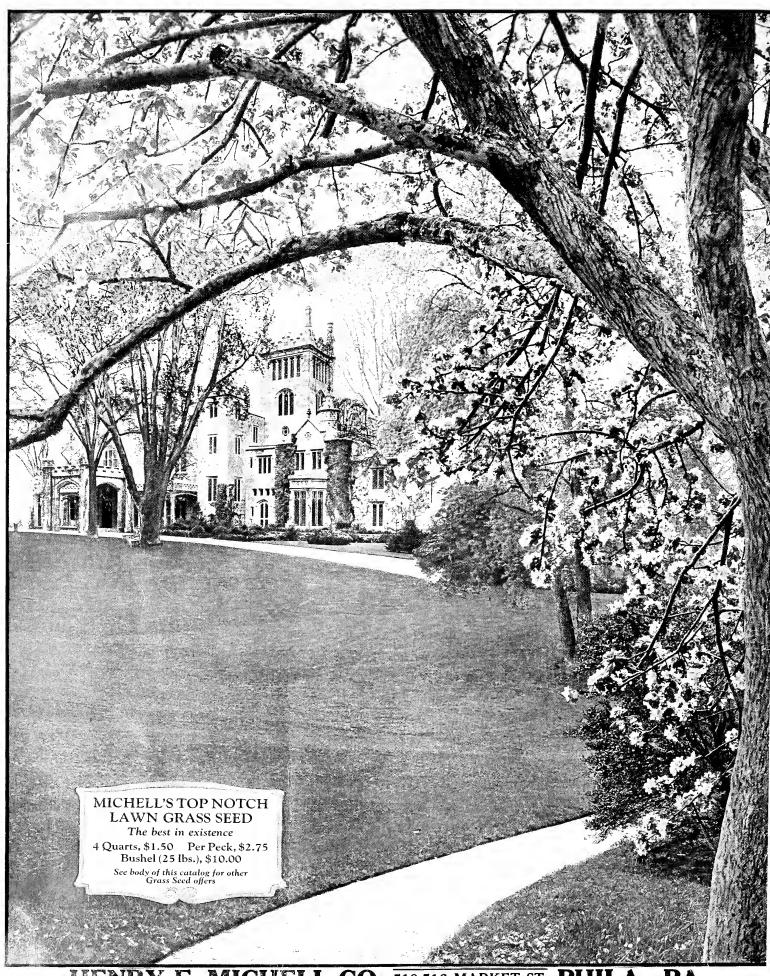








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